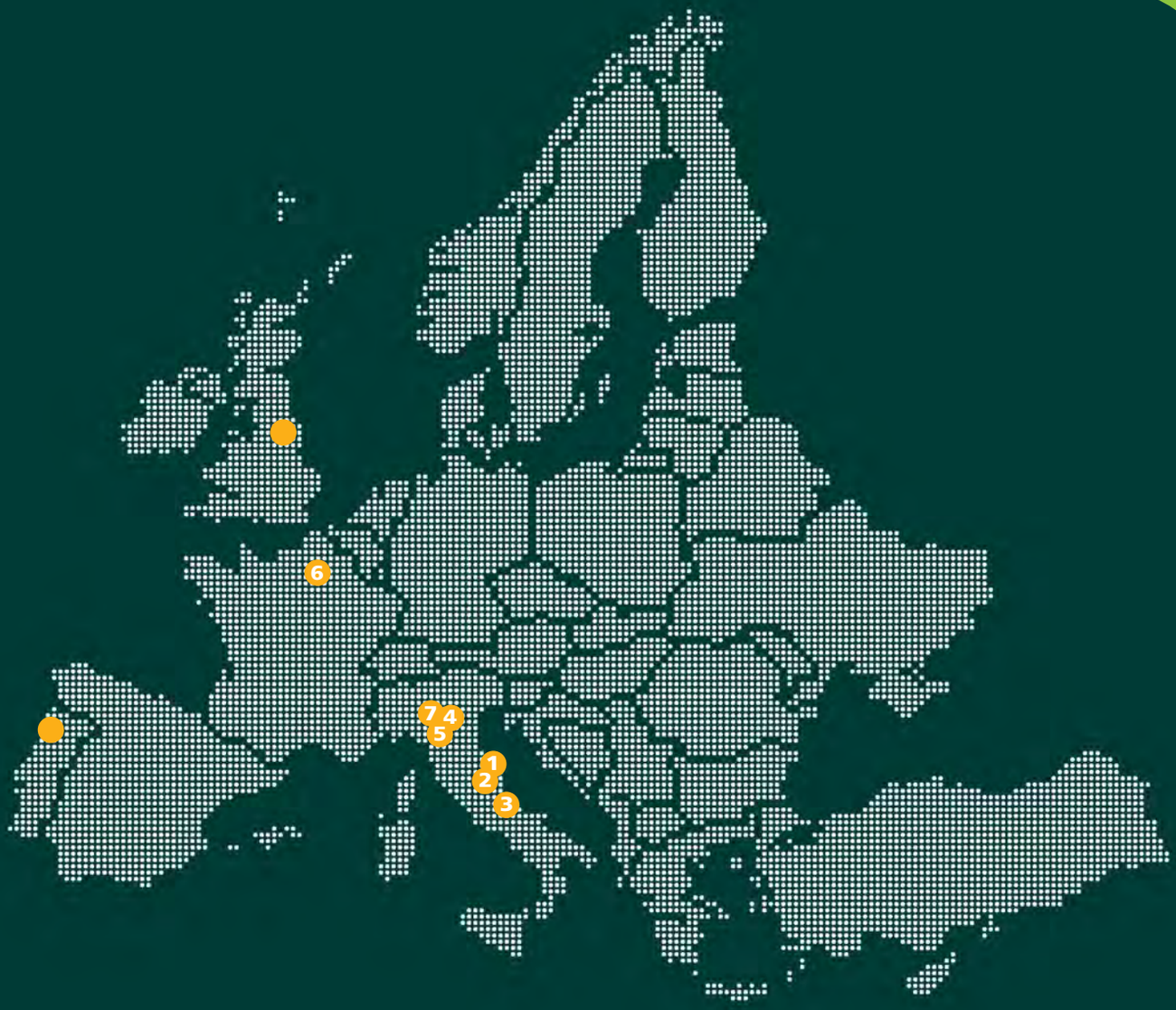


PRODUCTION UNITS

1. MOSCIANO S. ANGELO (TE)
2. TORTORETO (TE)
3. MONTESILVANO (PE)
4. CALESTANO (PR)
5. GHIARE DI BERCETO (PR)
6. SOISSONS (FRANCIA)

LOGISTIC CENTER

7. INTERPORTO MERCI (PR)

BRANCHES

8. LOUTH (UNITED KINGDOM)
9. PORTO (PORTUGAL)
10. WITHINSVILLE (MA, USA)

ALL OVER THE WORLD

LEADER IN INNOVATION, LEADER IN QUALITY

The Cavatorta group was founded in 1961 with the construction of its first factory in Calestano (Parma). Mesh for fencing and triple meshes were produced followed by the drawing and zinc coating of wires. Since then electro-welded, zinc and plastic coated wire mesh has been produced and ultimately, the jewel in the crown of the Cavatorta range of products, nails, manufactured with modern, fully automated systems. During the 1970s the Group went through an expansion phase in production and a brand new factory was built in Mosciano S. Angelo.

Other branches were soon to follow across Italy. The 1980s saw official recognition of the Cavatorta Brand as setting standards internationally in the fencing mesh market. The group today consists of 6 factories and a wide-ranging logistic network. Following Cavatorta's dominance as leader in the European fencing sector the group opened a new depot in Withinsiville, Mass. USA to respond to the demands of their North American market.

1


2


3

4

1) Soissons - France

2) Parma - Italy

3) Mosciano S. Angelo (TE) - Italy

4) Louth - United Kingdom

CAVATORTA

100% MADE IN ITALY

Cavatorta is internationally known as a company which still retains thetitalian flair and character. In a global market with new challenges there is attendency tto close productiontlocally and produce elsewheretespecially in emerging marketstwith subsequenttnegative effects on both the european and italian economies and on the quality of the products. Cavatorta is one of the few Companies which decided to keep both its production facilities and management in Italy. Cavatorta has also logistic and production sitestin France, England and Portugal in order to be more competitive in the european market. Thetdecision to keep its Italiantroots willthelp to preserve high quality standards and products as well as protecting the interests of both its commercialtpartners and the final consumers.

Cavatorta designs andtutilizetenviroinmentally friendly production processes, guarantees thetquality of its products and the safety of its production sites and continually looking for innovative products and prodction methods to keep ahead oftmarket needs.

CAVATORTA QUALITY

Quality istparamount with the selection of quality raw materials (steel, zinc, pvc) . Cavatortaís operating procedures conform to the strictest production ,safety and enviromental standards thus protecting our employees and the world in which we live. The groups continual investment into research and innovation helps with our commitment to satisfy our clients ever changing requests and challenges.

EUROPEAN QUALITY

QUALITY STANDARDS

Cavatorta products are designed and manufactured in compliance with UNI-EN standards; by deciding to comply with these standards, Cavatorta has made a commitment to offering solutions with features and properties (e.g.: diameter of wires, resistance of welding points, thickness of protective coatings, etc.) whose quality is recognised throughout Europe and beyond.
Below are the main quality standards Cavatorta diligently adheres to:

characteristics	ref.standards
zinc coating type	UNI-EN 10244-2
zinc purity grade (SHG)	UNI-EN 1179
zinc adherence	UNI-EN 10244-2
Ø wire tolerance	UNI-EN 10218-2
PVC thickness	UNI-EN 10218-2
plastic coating process	UNI-EN 10245-2
mesh size tolerance	UNI-EN 10223-6

THE DETAILS THAT MAKE THE DIFFERENCE

The quality of Cavatorta products is evident in a number of "signs" that offer a guarantee of an elegant, sturdy, safe and long-lasting article.

Mesh:
uniform, close-fitting, compact protective coating; hard-wearing connection of wires; precise, regular pattern; smooth edges free from sharp parts; diameter, weight and length of wires guaranteed.

Wires:
uniform, close-fitting, compact protective coating; guaranteed diameter of wires as well as weight and length of coils.

Nails:
glossy, clean surface; head accurately centred and perpendicular to the shank; defect-free tip; no production rejects in the packs; weight of the packs guaranteed.

CAVATORTA

SELECTION OF RAW MATERIALS AND DRAWING METHODS

A high quality product requires high quality raw materials. Cavatorta carefully selects steel rods from manufacturers in Italy and across Europe. The raw materials used vary according to the mechanical properties required for the final product. When drawing low carbon wires (C 0.08% max, Mn 0.45% max, P 0.03% max and S 0.035% max) and medium carbon wires (C 0.7% max, Mn 0.7% max, P 0.025% max and S 0.025% max) the rods are chemically analysed in the laboratory. Load, elongation capacity, integrity, structures (the dimension of molecules, which make up the rod) and hardness (level of molecular deformity) is also checked as part of our stringent quality-screening program. When the material has passed our quality checks it moves onto the drawing phase. The rod is drawn to the correct wire diameter and then moves on to the coating line.

COATINGS

Cavatorta's unique Galvafort Process produces zinc coating with a much longer life than that of similar products on the market. The clean, even and homogenous coating forms a double barrier protecting against physical and electrochemical oxidation. Products treated with the Galvafort Process are guaranteed to be free from corrosion for more than 20 years. The Galvaplax Process, perfected by Cavatorta in accordance with UNI-EN ISO 10245-2, provides the product with exceptional corrosion resistance.
The steel wire is hot dip galvanized and then is immersed in a special primer bath, which allows the PVC to adhere perfectly to the metal. The plastic coating takes place in a fluidised bed smelting process (sintering) to ensure a clean homogenous covering of the entire surface and products treated with this process are guaranteed to be free from corrosion for 10 years.

The most recent process created by Cavatorta, the Galvatec Process, is mainly used in the production of reduced elongation wires. The Zn/Al coating gives the final product outstanding corrosion resistance. It also has an exceptionally smooth finish which helps to prevent any possible cuts and abrasions when handling the material.
Finally, the Seaplax Process combines the benefits of the zinc coating of the Galvafort Process with the PVC coating of the Galvaplax Process to produce a product of extremely high quality
and corrosion resistance.

PROCESSES and PRODUCTS

FROM WIRES TO OTHER FINISHED PRODUCTS

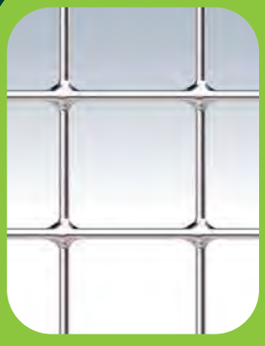
The electro-welded mesh products are made with horizontally and vertically arranged zinc coated wires, which are welded together.
This results in a product with high rigidity and durability not found in other mesh. After welding this mesh can be either zinc or PVC wires knotted together to provide strength and flexibility.

The wires in chainlink mesh are twisted together with a single wind to give exceptional adaptability during installation even with widely varying ground levels.

With hexagonal shaped mesh the wires are held together by staggered triple twists horizontal to the base. Following assembly, the mesh is usually zinc coated once more. Steel nails can be produced in steel, or tempered steel depending on the degree of hardness required. The production processes differ in each case as do the carbon content of the steel rods used.

The classification of nails takes into account the shape and size of the nail head, finishing etc. Nail heads may be flat with regular, wide, very wide or convex surfaces. For optimal performance, flat headed nails must have a heads with a grid-like surface to them, a perfectly straight axis, centred head which is perpendicular to the axis of the nail and a sharp point without any "wings". These specifications are met thanks to the innovative and unique Techno Process, which makes Cavatorta nails one-of-a kind and unmistakable.


chainlink


electro-welded


knotted


hexagonal netting

CAVATORTA

GREEN TOUCH

Cavatorta's processes and products carry the Green Touch brand. Green Touch is a safety guarantee for people and environment.

CERTIFIED RESPECT FOR THE ENVIRONMENT

Cavatorta products are made using high quality raw materials, which have been handled according to the eco-sustainable processes detailed in UNI EN ISO14001: 2004. This internationally acknowledged certification focuses growing concern over the environment by encouraging continuous improvement of systems performance with technologies that support a more prudent use of resources.

TOWARDS NEW ECO-SUSTAINABLE PRODUCTION PROCESSES

In its factory in Abruzzi, the Cavatorta Group has established and is perfecting eco-sustainable processes such as ESD (Eco-Sustainable Drawing) which when fully operational will lead to major improvements in safety when handling and using metallic rods and their derivatives, without detriment to the quality of the end product.

CAVATORTA PRODUCTS, SAFE FOR PEOPLE AND ENVIRONMENT

Numerous Cavatorta Brand products are coated with a superficial layer of PVC, which provides them with a good-looking product that has a permanent resistance to corrosion. When producing plastic coating wires and fencing mesh with the Galvaplax Process, Cavatorta uses an exclusive new formula PVC powder: **Ecoscor®**. This is non-toxic and harmless to handle in its raw state, during processing when it displays a noticeable reduction in fusion fumes, and as the finished product. Thanks to this innovative eco-compatible PVC Cavatorta is able to meet the highest personal and environmental safety standards.

SOCIALLY RESPONSIBLE PROCESSES

In short, Green Touch is a way of existing, designing and acting in a socially responsible manner. The Cavotorta Group has shown willingness to respond speedily to the demands of the market by using its resources efficiently and safely with respect for people and environment.

GREENTOUCH

LIFE04 PROJECT ENV/IT/000598

LIFE04 ENV/IT/000598

Reducing the environmental impact of the production processes has always been one of Cavatorta Group's strategic objectives.
Our efforts, aimed at protecting the environment and health, have found an exceptional partner in the European Commission which, through the financial instrument LIFE, is supporting and sustaining our commitment to sustainable development.

"ESD - Eco Sustainable Drawing"
LIFE04 ENV/IT/000598 Project

The first project, undertaken by Metallurgica Abruzzese, allowed to demonstrate the feasibility of a new environmentally friendly system for the treatment of rods and their derivatives, which lowers the environmental impact of the stages of drawing, cleaning and heat treatment before the galvanizing phase. More in detail, the working cycle was transformed through the introduction of the following innovations:

- Mechanical treatment of dry descaling with zero environmental impact;
- drawing system in polycrystalline diamond, lubricated by recoverable soaps;
- heat treatment in a controlled atmosphere with low energy consumption, capable of eliminating the pickling in acid step.

"Ultra Crash Treatment"
LIFE09 ENV/IT/000174 Project

The second project, started in autumn 2010 in the Metallurgica Abruzzese factory with the collaboration of the University of Trento as partners of the project, established the operation taking place at the exit of a traditional annealing furnace of drawn wire. The main innovations of this project are:

- a phase of ceramic micro shot blasting, able to clean perfectly the surface of the annealed wire in place of pickling in an acid bath without damage;
- a final phase of a conformal coating of the wire by means of cold spraying (cold spray) of zinc powders.

"MDPATC"
LIFE09 ENV/IT/000185 Project

The third project, also started in autumn 2010 and in progress at the Trafileria and Zincheria Cavatorta factories, provides for the revision of much of the production cycle:

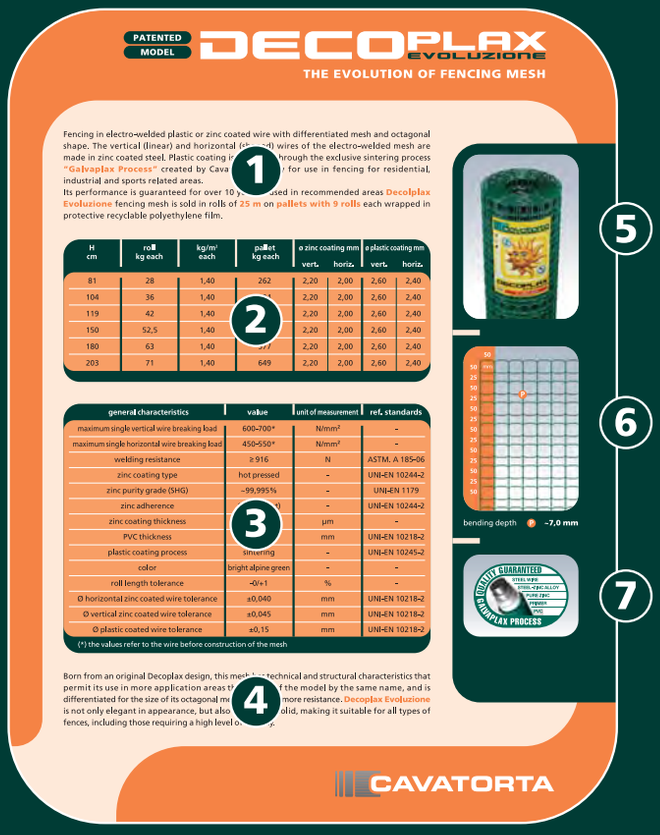
- a dry descaling phase of the wire rod, with the use of processing waste and recycling of the obtained wastes;
- a phase of cleaning and activation of the post-baking wire by means of microwave induced plasma treatment;
- a galvanizing phase in Zn-Al-Mg tertiary bath, able to operate at lower temperatures and with an increase in the quality of the finished product.

For further information about the E.S.D. project LIFE04 ENV/IT/000598, please consult:

- The Life website: **http://ec.europa.eu/environment/life/home.htm**
- The Cavatorta website in the section: **http://www.cavatorta.it/EN/greentouch/greentouch.asp**

CAVATORTA

READING
GUIDE


PATENTED MODEL

DECOPLAX EVOLUZIONE

THE EVOLUTION OF FENCING MESH

Fencing in electro-welded plastic or zinc coated wire with differentiated mesh and octagonal shape. The vertical (linear) and horizontal (+ ...4) wires of the electro-welded mesh are made in zinc coated steel. Plastic coating i... through the exclusive sintering process "Galvaplax Process" created by Cava... for use in fencing for residential, industrial and sports related areas.
Its performance is guaranteed for over 10 y... used in recommended areas Decolplax Evoluzione fencing mesh is sold in rolls of 25 m on pallets with 9 rolls each wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m² each	pallet kg each	ø zinc coating mm vert.	ø zinc coating mm horiz.	ø plastic coating mm vert.	ø plastic coating mm horiz.
81	28	1,40	262	2,20	2,00	2,60	2,40
104	36	1,40	...	2,20	2,00	2,60	2,40
119	42	1,40	...	2,20	2,00	2,60	2,40
150	52,5	1,40	...	2,20	2,00	2,60	2,40
180	63	1,40	...	2,20	2,00	2,60	2,40
203	71	1,40	649	2,20	2,00	2,60	2,40

general characteristics	value	unit of measurement	ref. standards
maximum single vertical wire breaking load	600-700*	N/mm²	-
maximum single horizontal wire breaking load	450-550*	N/mm²	-
welding resistance	≥ 916	N	ASTM. A 185-06
zinc coating type	hot pressed	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	...	-	UNI-EN 10244-2
zinc coating thickness	...	µm	-
PVC thickness	...	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
color	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
Ø horizontal zinc coated wire tolerance	±0,040	mm	UNI-EN 10218-2
Ø vertical zinc coated wire tolerance	±0,045	mm	UNI-EN 10218-2
Ø plastic coated wire tolerance	±0,15	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Born from an original Decoplax design, this mesh ... technical and structural characteristics that permit its use in more application areas t... f the model by the same name, and is differentiated for the size of its octagonal m... more resistance. Decoplax Evoluzione is not only elegant in appearance, but also ... olid, making it suitable for all types of fences, including those requiring a high level o...

bending depth P ~7,0 mm

QUALITY GUARANTEED
GALVAPLAX PROCESS
STEEL WIRE
ZINC-ALLOY
PURE ZINC
PRIMER
PVC

CAVATORTA

1 2 3 4 5 6 7

1 Description of the product

This relates to the raw materials used, coating, connection method, mesh shape, production processes, applications and packaging details.

2 Specifications table

- height of rolls expressed in centimeters.
- weight of single rolls expressed in kilograms.
- weight per unit of mesh surface expressed in kg/m².
- weight of rolls per pallet (including tare weight) expressed in kilograms.
- diameter of a zinc coated steel wire expressed in millimeters.
- diameter of plastic coated wire expressed in millimeters.

3 Properties table

- maximum braking load of single wires known as “tensile strength”. Measured in Newtons per unit area (N/mm²).
- mechanical resistance measured in Newtons (N).
- zinc coating method used.
- purity of the zinc used expressed as a percentage.
- measurement of the efficiency of the adherence of the zinc coating.
- thickness of the zinc coating wich covers the steel-based wire, expressed in microns (µm=10^{-6}m).
- thickness of the PVC coating which covers the zinc coated wire, expressed in mm.
- plastic-coating method used for wire or zinc coated mesh.
- colour of the PVC coating.
- roll length tolerance expressed as a percentage.
- wire diameter tolerance expressed in mm.
- regulation which defines the features of the product and the processes used to manufacture it.

4 Advantages of the product.

5 Image of the product.

6 Technical drawing of the product.

7 Graphic representation of wire coating structure.

NOTES

For **Replax**, **Replax T-70**, **Replax T Sport** and **Griglia Zincata** please note that in the property table the mesh dimensions tolerance expressed in millimetres (mm) identifies the maximum difference between the actual value and the value stated.

SECTORS OF USE

TECHNICAL
DICTIONARY

Brief dictionary compiled by Cavatorta to offer exact definitions to read the technical data contained in this catalogue.

Adherence: The ability of a superficial coating to attach itself to the surface of the wire at every point. During hot zinc coating of steel wire this ability is enhanced by the formation of a layer of iron/zinc alloy which forms an interface between the steel and zinc. During plastic coating by sintering of zinc coated wire or fencing mesh, adherence is achieved by immersing the wire in a primer bath which encourages the PVC to anchor itself to the base wire.
Annealing: Thisis used to provide a steel with improved hardness. Wire is heated to a high temperature and are then cooled rapidly. This is followed by a tempering process at the end of which the nail has a hardness level of 60 Hrc.
Coating: A superficial covering to prevent corrosion of the base wire. This can be made of pure Zinc by either "regular" or "heavy" method depending on the quantity of zinc required per unit of surface; other coatings are in zinc/aluminium alloy or in PVC.
Corrosion: The chemical reaction between metals and an oxidizing agent such as oxygen in the surrounding atmosphere. In the case of steel this phenomenon is much more rapid in the case of high humidity or when acids, salts or other similar elements are present. To prevent corrosion, wires are coated with a superficial zinc, zinc/aluminium (zinc coated wires) or PVC coating (plastic coated wires).
Corrosion Speed: The rate at which the metallic coating of a metallic object loses its thickness. This is usually expressed in fm/yr and depends on the environment in which the metal is kept. Corrosion speed is higher in an industrial atmosphere than an urban one, just as this is higher in a seaside atmosphere. It is lower in rural environments.
Cracking: This is the consequence of hygrometric shrinkage in concrete, which manifests on the superficial layer of screed, as it is exposed to air, and is particularly subjected to the evaporation of water in the mixture.
Differentiated mesh: Mesh of differing heights.
Ductility: The property of metal to deform before breaking point. The more ductile the steel wire is, the more it is able to elongate before normal rupture. Cavatorta wires vary in elongation percentage from a minimum of 5% for wires such as Galvatec T100, to 15% for zinc coated wires such as Galvafort, Galvatec and Galvaplax.
Ecoscor®: This is the new eco-compatible PVC coating powder used by Cavatorta for wires and fencing mesh coated using the Galvaplax Process. Ecoscor® is non-toxic and harmless on the finished product, before and during the working process.
Electro-welded: A term applied to mesh that is produced by welding together steel wires that have been arranged vertically and horizontally. This produces a fencing mesh with high durability and rigidity, which is not found in other types of fencing mesh.
Elongation: This is expressed as a percentage of base length and refers to the capacity of a metal to elongate, when under a load, up to the point of rupture.
Extrusion: A method of coating zinc-coated steel wire with PVC.
Galvafort Process: A superior hot, heavy zinc coating process perfected by Cavatorta Laboratories in which the resulting wire or mesh coating is approximately 3 times superior to standard "commercial" coating.
Galvaplax Process: An exclusive PVC plastic coating process perfected in the Cavatorta Laboratories in which the zinc-coated steel wire or mesh is sintered to give a good looking end product with the best possible corrosion protection even in areas with extreme climatic and environmental conditions.
Galvatec Process: An exclusive process created by Cavatorta to coat steel wire with a molten zinc/aluminium alloy.
Hardness: In relation to steel this refers to the resistance of the metal to the force inflicted upon it by another body. It is possible to increase the level of hardness in steel in various ways. In the case of steel nails, tempering processes are used. Hardness in steel is expressed in HRC (Rockwell).
Hot zinc coating: A wire coating process in which the base steel wire is immersed in a molten zinc bath to give the resulting wire both mechanical and cathodic protection. The degree of protection depends on the thickness of the coating which in turn depends on which coating method is used. E.g. regular/commercial or heavy/strong/triple (3Zn).
Hygrometric Shrinkage: A contraction property of concrete following the evaporation of water.
Knotted: A term applied to mesh that is produced by knotting together steel wires that have been arranged vertically and horizontally. Maximum breaking load for unit: In relation to steel, this is the maximum load for surface unit that the material is able to support up to the breaking point and is expressed in the international measurement unit of N/mm^2.
Mechanical resistance: In reference to steel the maximum load necessary to cause rupture and is expressed in international units of N.
Mesh: The elementary unit of metallic fencing resulting from the connection of vertical and horizontal wires. Depending on the connection method and diameter of the wires used the tighter the mesh weave, the more it is resistant. Based on the product model it can have a square, rhombus, rectangular, hexagonal and octagonal shape.
Oxidation: Also referred to as corrosion. When materials of different electrical potential come into contact with each other and react to release electrons.
Plastic coating: Process of coating the base steel wire with a superficial layer of PVC. This can be obtained through sintering (Galvaplax Process) or through extrusion.
Primer: The product into which the base zinc coated steel wire or zinc coated metallic mesh is immersed in order to improve the adherence of the PVC coating.
Protection: A superficial layer of zinc, zinc/aluminium or PVC used to coat the base wire in order to prevent corrosion and to guarantee improved durability.
PVC: Abbreviation of Polyvinyl Chloride. It is a plastic, which is used to coat zinc-coated steel wires. There are various types of PVC on the market and they have different levels of environmental impact. Cavatorta uses high quality, eco-compatible PVC in its plastic coating processes.
Regulations: These are used to define the characteristics of a product, process or service and ensure their conformity to the national and international standards of the destination countries. They include ISO (International regulation), EN (European regulation), ASTM (regulation of the USA) and UNI (national regulation). They provide a valuable environmental management tool, testing methods and guarantee safe design and manufacture of products.
Rods (steel): This refers to steel wire, which is used as a raw material for the production of all types of wire in the Cavatorta catalogue.
Selvedge: Some products have two or more horizontal wires on the lower and upper borders, which form an attractive border of the mesh and help with installation.
Seaplax Process: This was developed from Galvafort and Galvaplax processes to meet the very stringent demands of the fishing industries. The special formulation of PVC powder coating enables the product to withstand highly corrosive environments such as salt water even in extremes of temperature.
Shaping: The horizontal wires of some mesh are curved at intervals along its length. The tip of the curve is turned downwards to avoid water residue accumulating on the surface of the wire. This makes it easier to install and tension especially on steep inclines.
Sintering: This is a special method of attaching plastic coating to the base zinc coated steel wire or mesh. Once stuck to the surface of the wire or mesh the PVC powder is heated to form a strong bond. The resulting product is attractive and resistant to corrosion.
Stainless steel: Metallic alloy comprised of iron, carbon and other elements in various percentages, which characterize its principal features.
Stress resistance: The resistance of the steel wire to a load applied to it in regular cycles. This will always be less than, or at the most equal to its Mechanical Resistance.
Tecno Process: A process of producing metal nails exclusive to Cavatorta. The name guarantees that the nail conforms to UNI regulations and is geometrically perfect. (Absolutely straight axis, centered and perpendicular head (in respect to the axis), perfectly pointed tip.) Flat tips also have a grid like surface on their heads to prevent slip.
Tolerance: When referring to a chemical or physical property of a product, this is the amount of leeway permitted between the actual and nominal amount which may be expressed as a percentage, mm or divisions of mm.
Torsion: Depending on the number of twists used when joining horizontal and vertical wires together the mesh is referred to as simple, double or triple torsion. Mesh produced in this way is flexible and strong and is easy to install even on widely undulating terrain.
Weight: This varies according to several factors such as: wire diameter, size and shape of the mesh, consistency of the coating, size of the roll (fencing mesh) and size of the coil or spool (wires).
Welding resistance: The mechanical resistance of the mesh weld points. This is measured by putting the product into traction until failure.
Zinc: A metallic element used to form a protective coating to the base steel wire or mesh. It is a physical barrier against corrosion and abrasion, but also acts as a cathode causing the formation of neutral zinc oxide rather than permitting a damaging oxidation of the base wire.

CAVATORTA


10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PATENTED MODEL

DECOPLAX EVOLUZIONE

THE EVOLUTION OF FENCING MESH

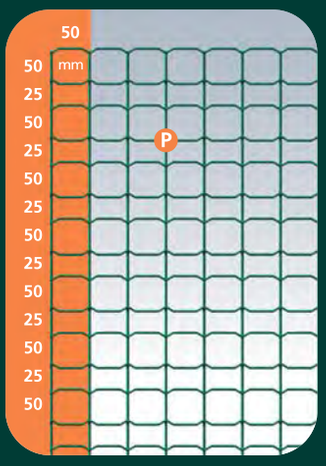
This fencing is made from electro-welded, plastic-coated wire with differentiated and octagonal shaped meshes. The vertical (linear) and horizontal (shaped) wires of the electro-welded mesh are made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Mainly for use in fencing for residential and industrial areas.
Its performance is guaranteed for over 10 years if used in normal condition. **Decolplax Evoluzione** fencing mesh is sold in rolls of **25 m** on **pallets with 9 rolls** each wrapped in protective recyclable polyethylene film. Available Charcoal and Green Ral 6005 color.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm		ø pvc wire mm	
				vert.	horiz.	vert.	horiz.
81	25	1,40	225	2,20	2,00	2,60	2,40
104	31,25	1,40	281,25	2,20	2,00	2,60	2,40
119	37,50	1,40	337,50	2,20	2,00	2,60	2,40
150	46,90	1,40	422,10	2,20	2,00	2,60	2,40
180	56,25	1,40	506,25	2,20	2,00	2,60	2,40
203	62,50	1,40	562,50	2,20	2,00	2,60	2,40

general characteristics	value	unit of measurement	ref. standards
maximum single vertical wire tensile strength	600-700*	N/mm²	-
maximum single horizontal wire tensile strength	450-550*	N/mm²	-
welding resistance	≥ 916	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~10	µm	-
PVC thickness	~ 0,20	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	Charcoal - Green Ral 6005	-	-
roll length tolerance	-0/+1	%	-
ø horizontal zinc coated wire tolerance	±0,040	mm	UNI-EN 10218-2
ø vertical zinc coated wire tolerance	±0,045	mm	UNI-EN 10218-2
ø plastic coated wire tolerance	±0,15	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Born from an original Decoplax design, this mesh has technical and structural characteristics that allows for it use in wider applications than that of standard Decoplax. **Decoplax Evoluzione** is an elegant fencing made up of smaller octagons, which give it added strength. It is suitable for all types of fences, including those requiring a high level of security.



bending depth (P) **~7,0 mm**

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PATENTED MODEL

EVERPLAX

THE ELEGANT FENCING

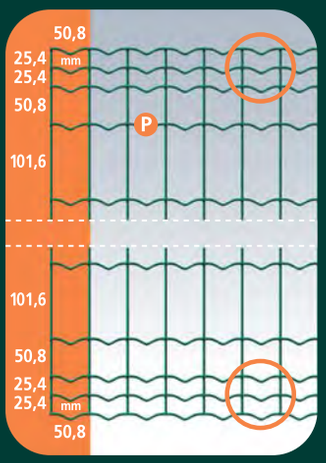
This fencing is made from electro-welded plastic-coated wire with a triple selvedge. The vertical (linear) and horizontal (crimped) wires of the electro-welded mesh are made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Mainly for use in fencing for residential, industrial and sports related areas.
Its performance is guaranteed for over 10 years if used in normal condition.
Everplax fencing is sold in **25 m** rolls on pallets wrapped in recyclable polyethylene film. Available Charcoal and Green Ral 6005 color.

H cm	roll kg each	kg/m²	roll/pallet n°	pallet kg each	ø galvanized core mm	ø pvc wire mm
61	15	0,96	18	280	2,00	2,50
81	19	0,94	9	181	2,00	2,50
102	24	0,93	9	226	2,00	2,50
122	28	0,92	9	262	2,00	2,50
153	34	0,89	9	316	2,00	2,50
183	40	0,87	9	370	2,00	2,50
203	44	0,86	9	406	2,00	2,50

general characteristics	value	unit of measurement	ref. standards
maximum single vertical wire tensile strength	600-700*	N/mm²	-
maximum single horizontal wire tensile strength	450-550*	N/mm²	-
welding resistance	≥ 757	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~10	µm	-
PVC thickness	~ 0,25	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	Charcoal - Green Ral 6005	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance	±0,04	mm	UNI-EN 10218-2
ø plastic coated wire tolerance	±0,15	mm	UNI-EN 10218-2

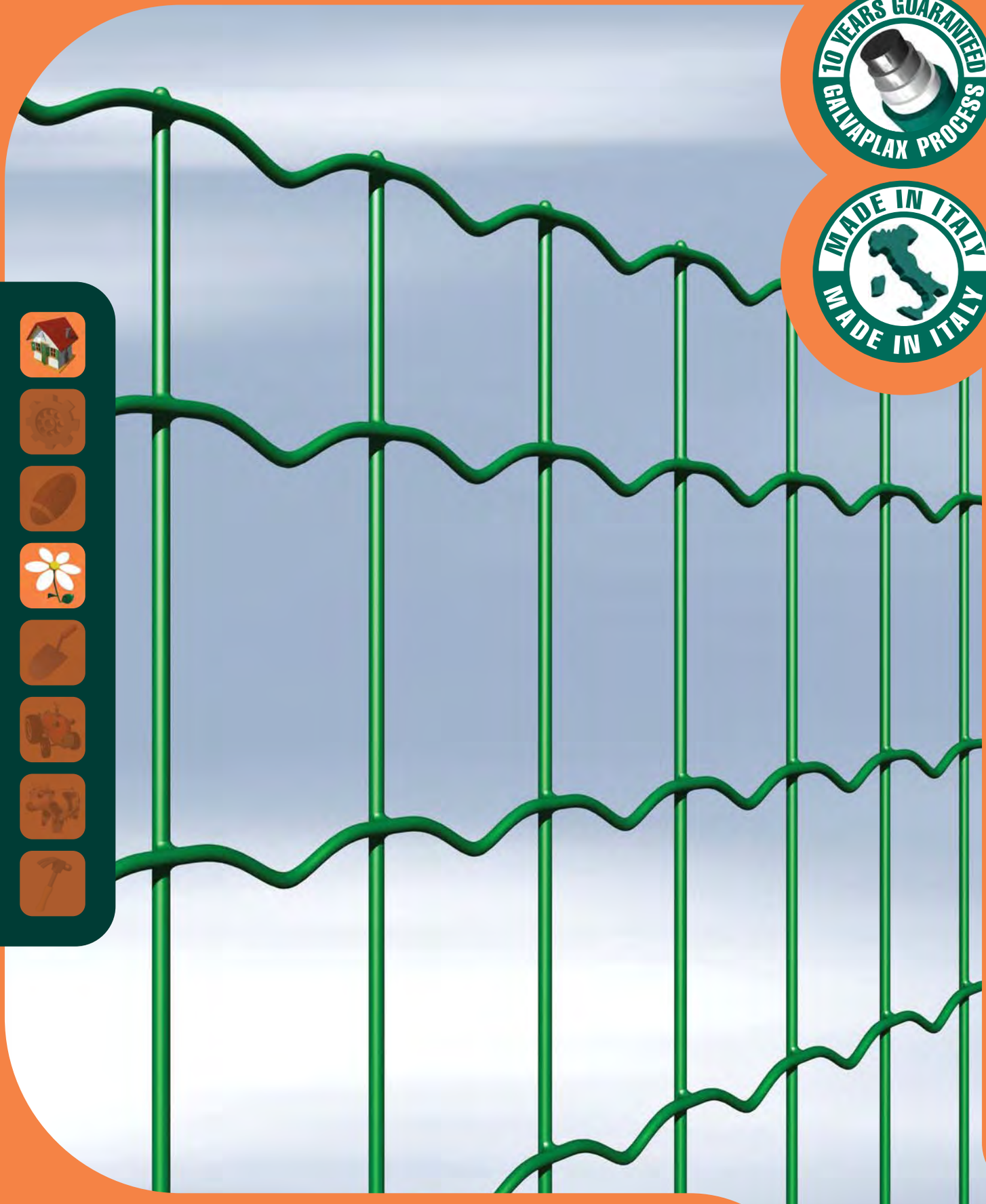
(*) the values refer to the wire before construction of the mesh

The high resistance of the vertical wires provides uniform tension, permitting easy assembly and preventing the deformation of the mesh. The result is a perfect balance and safe, easy installation. In addition, there is a triple crimped selvedge on the top and bottom of the mesh.



crimping depth (P) **~5,0 mm**

CAVATORTA


10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PATENTED MODEL

NOVAPLAX

THE EYE-CATCHING FENCING

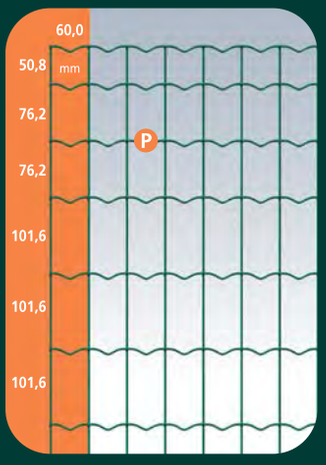
This fencing is made from electro-welded plastic-coated wire with differentiated mesh. The vertical (linear) and horizontal (crimped) wires of the electro-welded mesh are made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta.
Mainly for use in fencing for residential and industrial areas. Its performance is guaranteed for over 10 years if used in normal condition. **Novaplax** fencing is sold in **25m** rolls on pallets wrapped in recyclable polyethylene film.

H cm	roll kg each	kg/m²	roll/pallet n°	pallet kg each	ø galvanized core mm	ø pvc wire mm
61	11	0,72	24	274	1,80	2,20
81	14,5	0,72	12	184	1,80	2,20
102	17,5	0,69	12	220	1,80	2,20
122	20,5	0,67	12	256	1,80	2,20
153	25	0,65	12	310	1,80	2,20
183	29	0,63	12	358	1,80	2,20
203	32	0,63	12	394	1,80	2,20

general characteristics	value	unit of measurement	ref. standards
maximum single vertical wire tensile strength	600-700*	N/mm²	-
maximum single horizontal wire tensile strength	450-550*	N/mm²	-
welding resistance	≥ 757	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~8,5	µm	-
PVC thickness	~ 0,20	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance	±0,04	mm	UNI EN 10218-2
ø plastic coated wire tolerance	±0,15	mm	UNI EN 10218-2

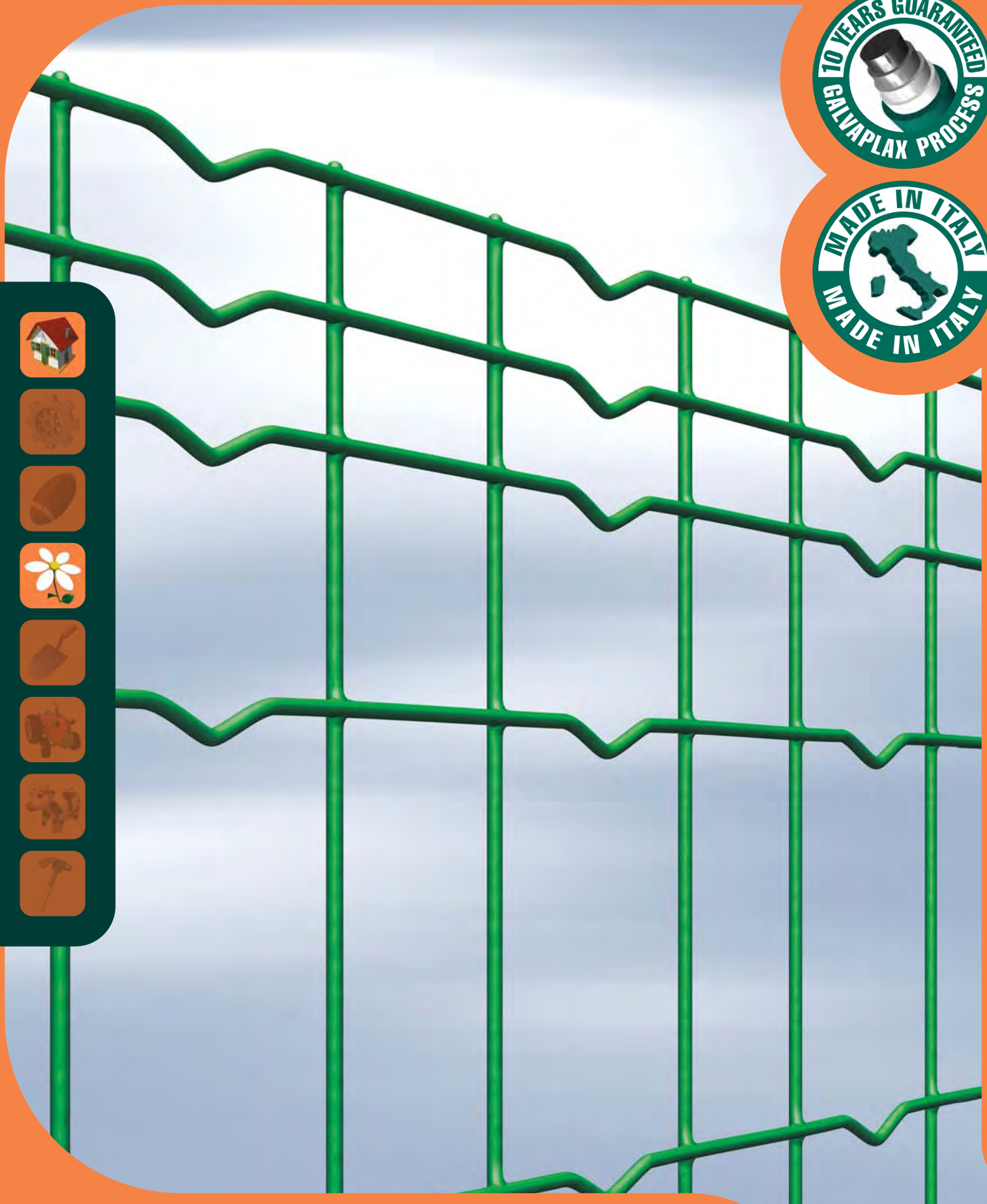
(*) the values refer to the wire before construction of the mesh

Among the other Cavatorta fencing styles, **Novaplax** has the best price/quality relationship. **Novaplax** also has a series of features that make it a high quality fencing product: the particular resistance of the vertical wires ensure perfect stability; the curving shape of the horizontal wires simplifies the tension of the mesh, and the technical design, characterised by crimped horizontal wires and different mesh heights arranged symmetrically.



crimping depth P **~5,0 mm**

CAVATORTA


10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PATENTED MODEL

COMBIPLAX

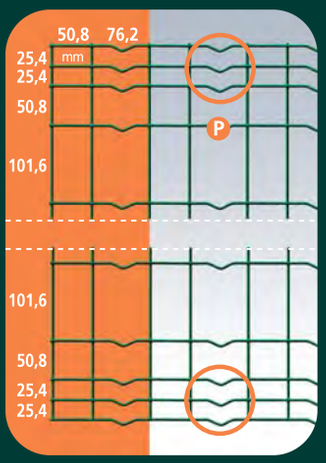
THE WINNING COMBINATION

Electro-welded zinc and plastic coated mesh with differentiated mesh and triple selvedge around the edges. The vertical (linear) and horizontal (crimped) wires of the electro-welded mesh are made of zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** perfected by Cavatorta.
Combiplax is designed mainly for use in fencing of residential areas and gardens. Its performance is guaranteed for more than 10 years if used in normal condition. **Combiplax** fencing mesh is sold in rolls of **25 m** on pallets with **12 rolls** each wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm	ø pvc wire mm
81	13	0,64	167	1,70	2,10
102	16	0,63	203	1,70	2,10
122	19	0,62	239	1,70	2,10
153	23	0,60	287	1,70	2,10

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	650-750*	N/mm²	-
welding resistance	≥ 547	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~8,5	µm	-
PVC thickness	~ 0,20	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø plastic coated wire tolerance	±0,15	mm	UNI EN 10218-2

(*) the values refer to the wire before construction of the mesh



crimping depth P **~5,0 mm**

Combiplax is the ideal solution for "decorating" green areas and gardens. In effect, **Combiplax** is: **elegant** because it boasts an exclusive and inimitable sought after design, thanks to its differentiated mesh, the brilliance of the PVC coating and the alternating horizontal linear wires and the weaved horizontal wires; **safe** due to its PVC coating obtained through the exclusive sintering process "Galvaplax Process", which prevents corrosion for more than 10 years and is derived from the use of PVC powders that are safe for humans and environment; **stable**, thanks to the special wires maximum breaking load and the strength of the welding points, which are precise, deep and resistant; **easy to install**, thanks to the alternating horizontal linear wires and weaved wires, and to the triple reinforcement wire placed both on the lower and upper edges of the mesh. Elegant, safe, stable and easy to install: **Combiplax** is the winning combination.

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

OVERPLAX

THE SUPERIOR FENCING

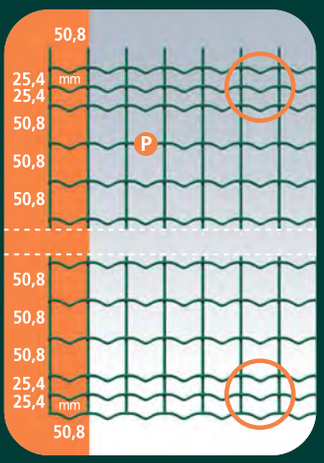
Electro-welded zinc and plastic coated wire with triple selvedge around the edges and pointed tips on the upper border. The vertical (linear) and horizontal (crimped) wires of the electro-welded mesh are made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Mainly for use in fencing for residential, industrial and sports related areas. Its performance is guaranteed for over 10 years if used in normal condition. **Overplax** fencing mesh is sold in rolls of **25m** on **pallets with 8 rolls** each wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm	ø pvc wire mm
102*	38	1,54	354	2,30	2,80
122*	47	1,53	435	2,30	2,80
150	57	1,52	525	2,30	2,80
181	69	1,52	633	2,30	2,80
201	76	1,51	696	2,30	2,80

(*) without pointed tips on the upper border

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550*	N/mm²	-
welding resistance	≥ 1000	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~10	µm	-
PVC thickness	~ 0,25	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance	±0,045	mm	UNI-EN 10218-2
ø plastic coated wire tolerance	±0,15	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh



crimping depth P **~5,0 mm**

Overplax is the most versatile fencing produced by Cavatorta. In fact its highest strength and triple selvedge, similar to Stilplax, together with a slightly smaller wire diameter makes it the most flexible and economical fencing.
These characteristics permit a wide range of applications and make **Overplax** a truly superior fencing.

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PATENTED MODEL

STILPLAX

SECURITY FENCING

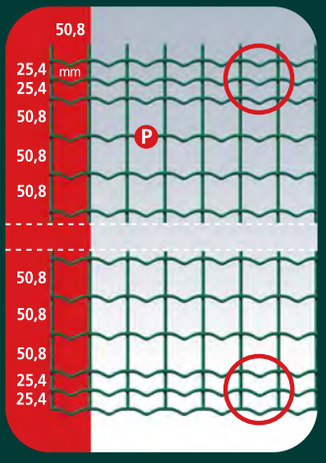
Electro-welded zinc and plastic coated wire with triple selvedge around the edges and anti-climbing tips on the upper border. The vertical (linear) and horizontal (shaped) wires of the electro-welded mesh are made in zinc coated steel.
Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta.
Mainly for use in fencing for residential, industrial and sports related areas.Its performance is guaranteed for over 10 years if used in recommended areas. **Stilplax** fencing is sold in **25 m** rolls on pallets wrapped in recyclable polyethylene film.

H cm	roll kg each	kg/m² each	roll/pallet no	pallet kg each	ø zinc coating mm	ø plastic coating mm
102*	51	2,00	8	422	2,70	3,30
122*	60	1,97	8	494	2,70	3,30
150	73	1,95	8	598	2,70	3,30
181	87	1,92	8	710	2,70	3,30
201	96	1,91	8	782	2,70	3,30
221	105	1,90	8	854	2,70	3,30
252	120	1,90	4	594	2,70	3,30

(*) without pointed tips on the upper border

general characteristics	value	unit of measurement	ref. standards
single wires maximum breaking load	450-550*	N/mm²	-
welding resistance	≥ 1380	N	ASTM. A 185-06
zinc coating type	hot pressed	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~13	µm	-
PVC thickness	~ 0,30	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
color	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
Ø zinc coated wire tolerance	±0,045	mm	UNI EN 10218-2
Ø plastic coated wire tolerance	±0,20	mm	UNI EN 10218-2

(*) the values refer to the wire before construction of the mesh



crimping depth P **~5,0 mm**

Stilplax is the strongest fencing produced by Cavatorta. The high solidity level comes not only from the elevated wire diameter, but also from the triple selvedge on the upper and lower sections. **Stilplax** is particularly suitable for creating perimeter boundaries inside of football stadiums (UNI 10121-2).

CAVATORTA


10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

PLASTIC COATED MESH

ESAPLAX

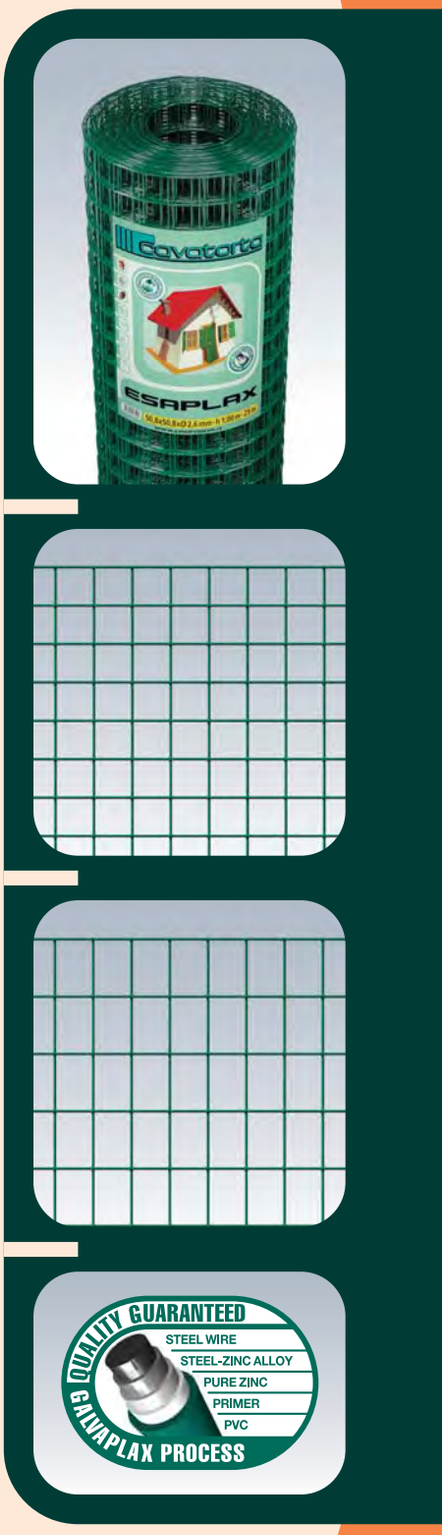
THE VERSATILE FENCING

Fencing in electro-welded zinc and plastic coated wire with rectangular or square-shaped mesh. The vertical and horizontal wires of the electro-welded mesh are both linear and made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Thanks to the wide range of mesh sizes, **Esaplax** is suitable for multiple applications in residential, industrial and sports related sectors. Its performance is guaranteed for over 10 years if used in normal condition. **Esaplax** fencing mesh is sold in rolls of **25 m** on **pallets with 8/9 rolls** each wrapped in protective recyclable polyethylene film.

mesh size mm	H cm	roll kg each	kg/m²	roll/pallet n°	pallet n°	ø galvanized core mm	ø pvc wire mm
50,8x25,4	102	43	1,69	8	354	2,00	2,50
50,8x25,4	122	52	1,69	8	426	2,00	2,50
50,8x25,4	153	65	1,69	8	530	2,00	2,50
50,8x25,4	183	78	1,69	8	634	2,00	2,50
50,8x25,4	203	86	1,69	8	698	2,00	2,50
50,8x50,8	102	29	1,14	9	271	2,00	2,50
50,8x50,8	122	35	1,14	9	325	2,00	2,50
50,8x50,8	153	43,5	1,14	9	402	2,00	2,50
50,8x50,8	183	52	1,14	9	478	2,00	2,50
50,8x50,8	203	58	1,14	9	532	2,00	2,50
76,2x50,8	84	20	0,97	9	190	2,00	2,50
76,2x50,8	99	24	0,97	9	226	2,00	2,50
76,2x50,8	122	30	0,97	9	280	2,00	2,50
76,2x50,8	153	36	0,97	9	334	2,00	2,50
76,2x50,8	183	43	0,97	9	397	2,00	2,50
76,2x50,8	198	48	0,97	9	442	2,00	2,50

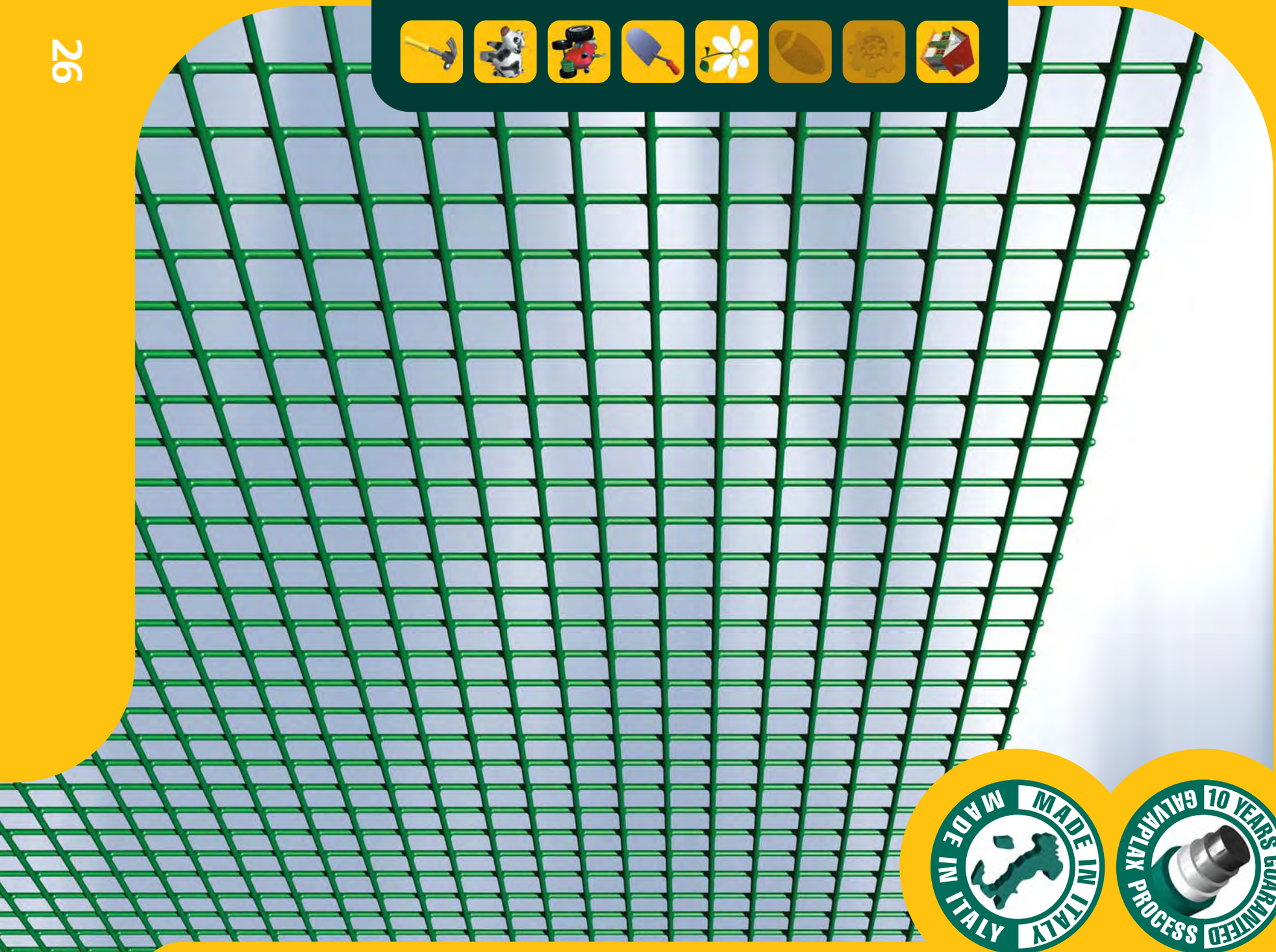
general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550*	N/mm²	-
welding resistance	≥757	N	ASTM.A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc weight	70	g/m²	-
zinc coating thickness	~10	µm	-
PVC thickness	~0,25	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance	±0,040	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh



The plastic coating process **"Galvaplax Process"**, created by Cavatorta, provides the **Esaplax** fencing mesh with extreme resistance and durability through a combination of diverse protective elements: zinc coating, primer and PVC. The steel-based wire with its hot pressed zinc coating is immersed into a special primer, a fundamental step to ensure perfect anchoring of the PVC to the metal. Plastic-coated through a fluidised bed smelting process, ensuring clean homogeneous covering of the entire surface of the mesh.

CAVATORTA



MADE IN ITALY

10 YEARS GALVAPLAX PROCESS GUARANTEED

PLASTIC COATED MESH

ESAPLAX

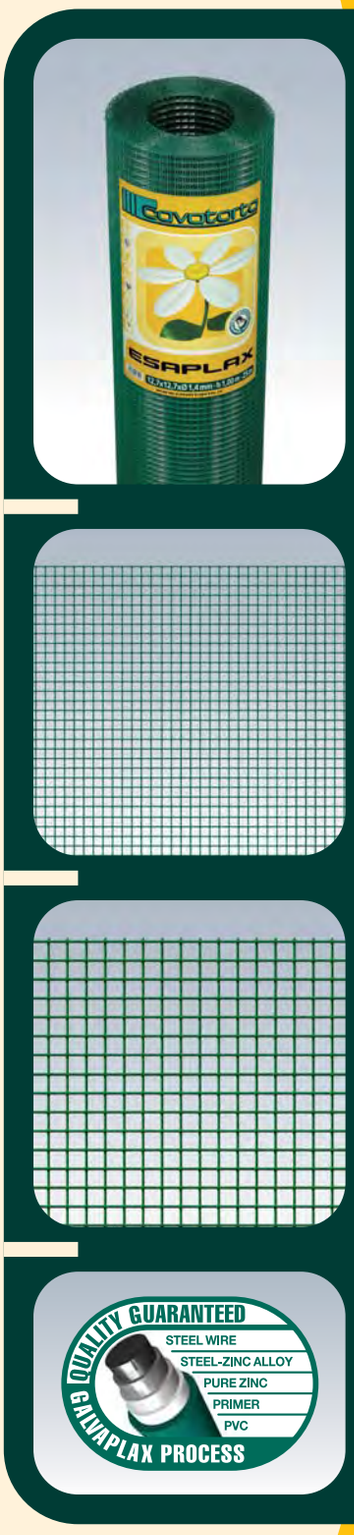
THE CREATIVE FENCING

Fencing in electro-welded zinc and plastic coated wire with square-shaped mesh.
The vertical and horizontal wires of the electro-welded mesh are both linear and made in zinc coated steel. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Its performance is guaranteed for over 10 years if used in recommended areas. **Esaplax 4x4** fencing mesh is sold in rolls of **25 m** on pallets wrapped in recyclable polyethylene film.

mesh size mm	H cm	L cm	roll kg each	kg/m² each	roll/pallet n°	pallet kg each	ø galvanized core mm	ø pvc wire mm
12,7x12,7	51	25	12	0,95	13	166	0,90	1,30
12,7x12,7	60	25	14	0,95	13	192	0,90	1,30
12,7x12,7	70	25	16,5	0,95	13	225	0,90	1,30
12,7x12,7	80	25	19	0,95	13	257	0,90	1,30
12,7x12,7	100	25	24	0,95	13	322	0,90	1,30
12,7x12,7	121	25	29	0,95	13	387	0,90	1,30
12,7x12,7	150	25	35,5	0,95	13	472	0,90	1,30
12,7x12,7	201	25	48	0,95	13	634	0,90	1,30
19x19	101	25	19	0,75	13	257	1,00	1,40
25,4x25,4	102	25	43	1,69	9	397	1,80	2,20
12,7x12,7	90	30	28	1,03	9	262	1,00	1,40
12,7x25,4	90	30	19	0,70	9	181	1,00	1,40
25,4x25,4	90	30	14	0,52	9	136	1,00	1,40

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc weight (min/max)	40/60	g/m²	-
zinc coating thickness	~56/~85**	µm	-
PVC thickness	~0,20	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
color	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance (min/max)	±0,030/±0,040	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh
(**) the second value refers to the wire of the model with mesh size 25.4 x 25.4 mm ø 1,8 / 2,2 mm



Esaplax fencing mesh has special characteristics (wire diameter, mesh size, excellent plastification qualities, etc.) which render it especially suitable for reconstructing cages, bird cages, gratings, small containers, and in general all projects that require inventive application in hobby related and professional sectors.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

ARCOPLAX

DECORATIVE FENCING

Plastic-coated metal fencing with differentiated mesh and an arched upper border. The arched vertical wires and the entwined pairs of horizontal wires are in zinc coated steel. The plastic coating is obtained through an extrusion process. Mainly for use as a decorative element in flowerbeds and gardens.
Arcoplax fencing is sold in **25 m** rolls on pallets wrapped in recyclable polyethylene film.

H cm	roll kg each	kg/m²	roll./pallet n°	pallet kg each	ø galvanized core		ø pvc wire	
					vert.	horiz.	vert.	horiz.
40	9	0,90	18	174	2,10	1,60	3,20	2,20
65	13	0,80	18	246	2,10	1,60	3,20	2,20
90	17,5	0,78	16	170	2,10	1,60	3,20	2,20
120	23	0,77	9	219	2,10	1,60	3,20	2,20

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness vert. wires	~10	µm	-
zinc coating thickness horiz. wires	~8,5	µm	-
PVC thickness vertical wires	~0,55	mm	UNI-EN 10218-2
PVC thickness horizontal wires	~0,30	mm	UNI-EN 10218-2
plastic coating process	extrusion	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
ø horizontal zinc coated wire tolerance	±0,035	mm	UNI-EN 10218-2
ø vertical zinc coated wire tolerance	±0,04	mm	UNI-EN 10218-2
ø horizontal plastic coated wire tolerance	±0,15	mm	UNI-EN 10218-2
ø vertical zinc coated wire tolerance	±0,20	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

The arching on the upper border, the curving of the vertical wires and the entwining of the horizontal wires give **Arcoplax** fencing a harmonious aesthetic appearance which integrates perfectly with flowerbeds and blooming gardens.

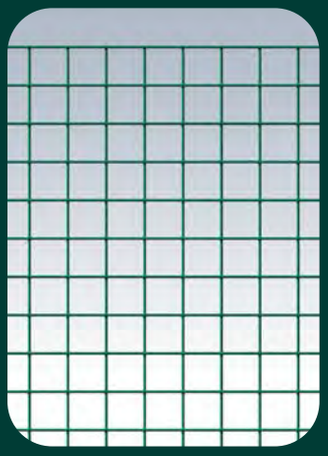
CAVATORTA

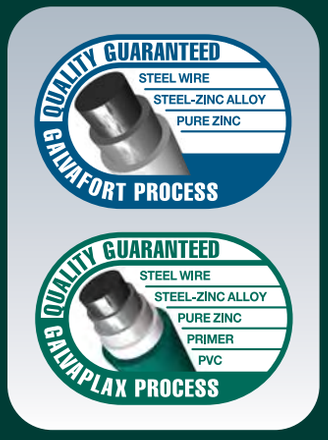

10 YEARS GUARANTEED
GALVAPLAX PROCESS
QUALITY GUARANTEED
GALVAFORT PROCESS
MADE IN ITALY
MADE IN ITALY

MASTERPLAX FORT

SECURITY FENCING

Fencing made from electro-welded zinc and plastic-coated wire with square shaped mesh. The vertical and horizontal wires of the electro-welded mesh are both linear and made in zinc coated steel. The zinc coating is obtained through **"Galvafort Process"** created by Cavatorta. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** which uses non-toxic and non-pollution PVC powders. Its performance is guaranteed for over 10 years if used in normal condition. **Masterplax** fencing mesh is produced in rolls of 25 m and is sold on pallets wrapped in protective recyclable polyethylene film.





mesh size mm	H cm	roll kg each	kg/m²	roll/pallet n°	pallet kg each	ø galvanized core mm	ø pvc wire mm
50,8x50,8	90	38	1,70	9	352	2,50	3,10
50,8x50,8	120	51	1,70	9	469	2,50	3,10
50,8x50,8	150	64	1,70	9	586	2,50	3,10
50,8x50,8	180	76,5	1,70	9	698	2,50	3,10
50,8x50,8	210	89	1,70	6	544	2,50	3,10
50,8x50,8	240	102	1,70	6	622	2,50	3,10
50,8x50,8	90	55	2,43	6	340	3,00	3,55
50,8x50,8	120	73	2,43	6	448	3,00	3,55
50,8x50,8	150	91	2,43	6	556	3,00	3,55
50,8x50,8	180	109	2,43	6	664	3,00	3,55
50,8x50,8	210	128	2,43	6	778	3,00	3,55
50,8x50,8	240	146	2,43	6	886	3,00	3,55

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength*	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995%	%	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness**	~34/~39	µm	-
PVC thickness **	~0,275/~0,30	mm	-
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green/black	-	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance**	±0,05/±0,07	mm	UNI-EN 10218-2
ø plastic coated wire tolerance**	±0,15/±0,20	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh (**) depending on the diameter of the wire

Masterplax easy to use and assures high performance. The depth of welding spots, purity of the zinc-coated wires produced by the **"Galvafort Process"** and the quality of the plastic coating by the **"Galvaplax Process"**, acts to protect wire and the welding spots from corrosion, thus making the product better than any other security fence on the market.

CAVATORTA


QUALITY GUARANTEED
GALVAFORT PROCESS
MADE IN ITALY
MADE IN ITALY

MASTERFORT

SECURITY FENCING

Fencing made of electro-welded zinc-coated wire with rectangular or square-shaped mesh. The vertical and horizontal wires are both zinc coated.
The zinc coating is obtained through the exclusive **"Galvafort Process"** created by Cavatorta. **Masterfort** fencing is sold in 25 m rolls on pallets wrapped in recyclable polyethylene film.

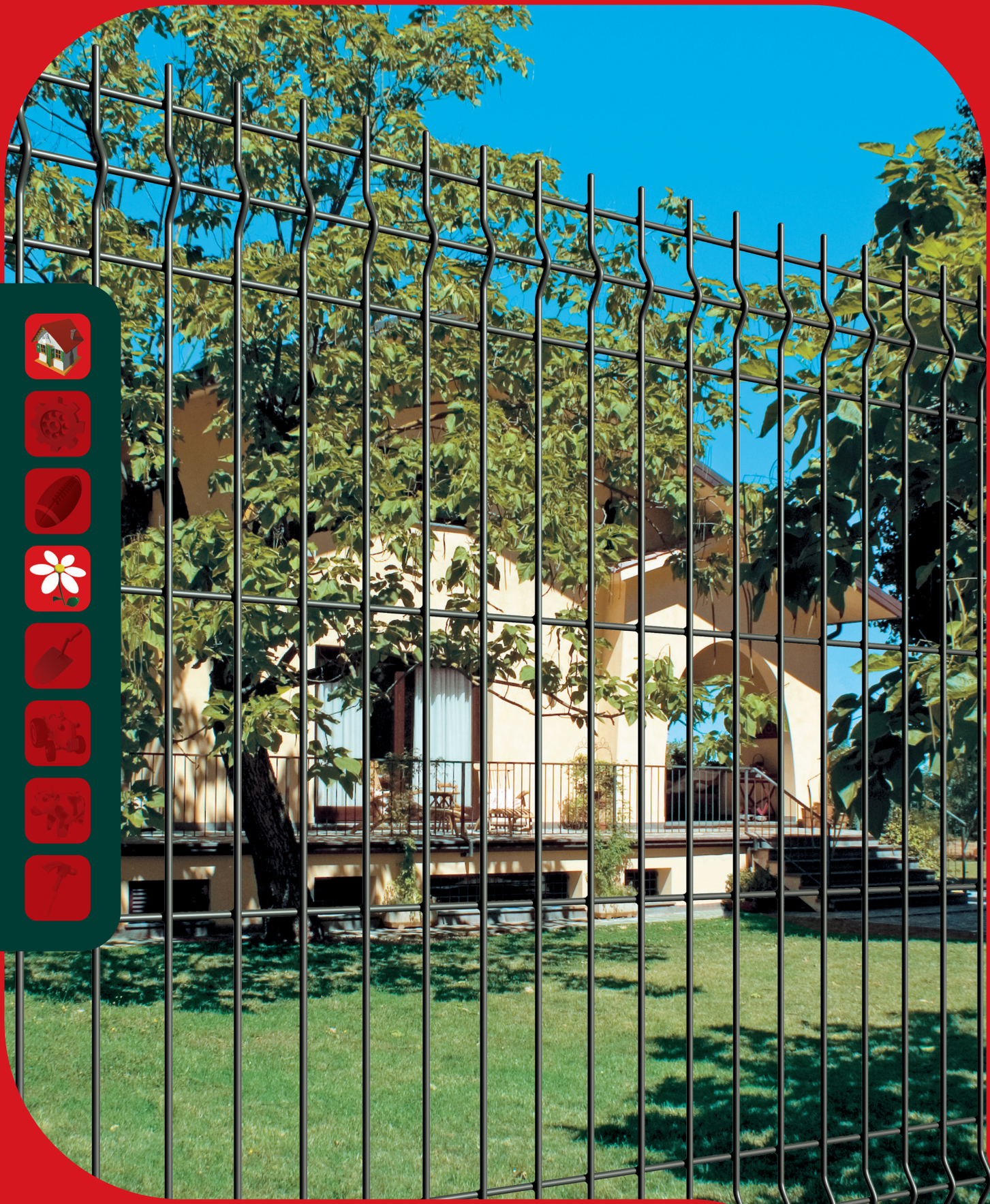
mesh size mm	H cm	roll kg each	kg/m² each	roll/pallet n°	pallet kg each	ø wire mm
50,8x50,8	90	33	1,47	9	307	2,50
50,8x50,8	120	44	1,47	9	406	2,50
50,8x50,8	150	55	1,47	9	505	2,50
50,8x50,8	180	66	1,47	9	604	2,50
50,8x50,8	210	77	1,47	6	472	2,50
50,8x50,8	240	88	1,47	6	538	2,50
50,8x50,8	90	48	2,13	6	298	3,00
50,8x50,8	120	64	2,13	6	394	3,00
50,8x50,8	150	80	2,13	6	490	3,00
50,8x50,8	180	96	2,13	6	586	3,00
50,8x50,8	210	112	2,13	6	682	3,00
50,8x50,8	240	128	2,13	6	778	3,00
76,2x25,4	120	62	2,06	6	382	2,50
76,2x25,4	180	93	2,06	6	568	2,50
76,2x25,4	120	86	2,87	6	526	3,00
76,2x25,4	180	129	2,87	6	784	3,00

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength*	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995%	%	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness**	~34/~39	µm	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance **	±0,06/±0,07	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh (**) depending on the diameter of the wire

Masterfort is easy to use and assures high performance. The depth of the welding points and the **"Galvafort Process"** together make the product strong, stable, precise and very resistant to corrosion.
The wide range of mesh sizes makes **Masterfort** an extremely versatile product, therefore suitable for multiple uses both industrial and residential.

CAVATORTA



PANOPLAX

THE NEW RESIDENTIAL FENCING

Panels

PVC coated galvanized welded rectangular mesh panels. To give strength and security the panels are manufactured with reinforcing crimps and barbs protecting the top of the panel.

Paldeco Posts

Profiled steel octagonal pole, made from hot galvanized steel, plasticized with PVC in green, anthracite grey and other colours upon request, with head sealed by a cap made of plastic in various colours, †available with or without the rectangular plate welded to the pole.

The Panoplax + Paldeco system is particularly indicated for fencing in residential areas and, considering its extremely easy fixing system, for the DIY market. Panoplax panels are supplied in 60 pcs. packs and Paldeco posts in X pcs. bundles. To complete the fence, installation kit (screws and collars) is provided.

PANELS

H cm	L cm	mesh size mm	kg each	kg/m²	horizontal bends n°	package kg each	ø pvc wire mm	h barbs mm
63	200	200x50	3,8	3,00	2	252	4,0	26,0
103	200	200x50	5,6	2,70	2	396	4,0	26,0
123	200	200x50	6,4	2,60	2	468	4,0	26,0
153	200	200x50	7,8	2,50	3	576	4,0	26,0
173	200	200x50	8,9	2,60	3	648	4,0	26,0
203	200	200x50	11,2	2,70	4	756	4,0	26,0

POSTS

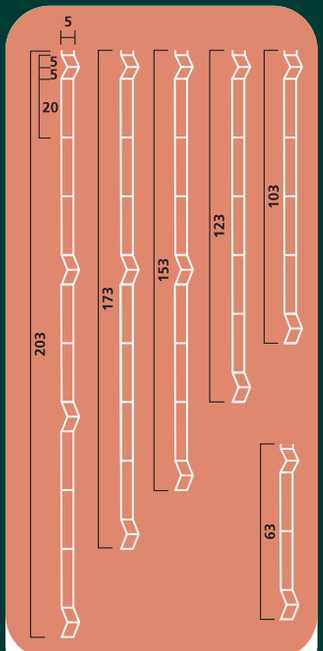
H cm	cross section mm	thickness mm	kg each	pcs/bundle n°
63	50	1,2	1,3	6
103	50	1,2	2,0	6
123	50	1,2	2,3	6
153	50	1,2	3,0	6
173	50	1,2	3,3	6
203	50	1,2	3,7	6
230	50	1,2	4,4	6
250	50	1,2	4,7	6

general characteristics	value	unit of measurement	ref. standards
zinc coating type	hot dip	-	UNI-EN 10244-2
colour	Charcoal - Green Ral 6005	-	-

ACCESSORIES

Installation kit (include 10 x screws with plastic cap and 10 x plastic collars)

Steel posts plates to fix posts onto walls and pavements



size in cm

Panoplax is a highly competitive, strong, elegant long lasting fencing system which is easy to install and is recomended as a residential or light security fencing solution.

CAVATORTA

PALDECO

THE ELEGANT, FUNCTIONAL AND RESISTANT POLE

Profiled steel octagonal pole, made from hot galvanized steel, plasticized with PVC in green, anthracite grey and other colours upon request, with head sealed by a cap made of plastic in various colours,†available with or without the rectangular plate welded to the pole. The Panoplax + **Paldeco** system is particularly indicated for fencing in residential areas and, considering its extremely easy fixing system, for the DIY market. Panoplax panels are supplied in 60 pcs. packs and **Paldeco** posts in X pcs. bundles. To complete the fence, installation kit (screws and collars) is provided.

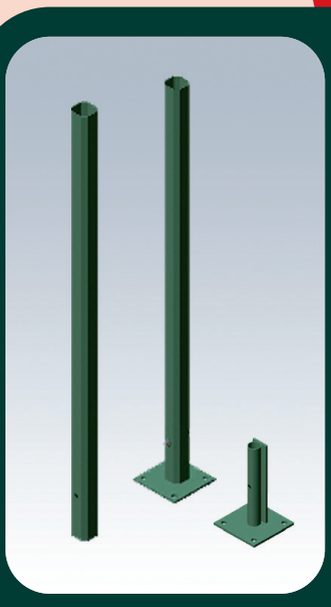
H cm	cross section mm	thickness mm	kg each
63	45x45	1,2	1,2
103	45x45	1,2	1,8
123	45x45	1,2	2,2
153	45x45	1,2	2,8
173	45x45	1,2	3,2
203	45x45	1,2	3,7
230	45x45	1,2	4,2
250	45x45	1,2	4,6

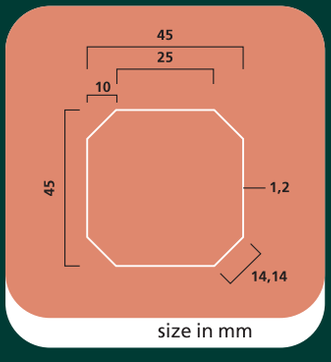
general characteristics	value	unit of measurement
ultimate strength	32,26	kg/mm²
yield point	25,08	N/mm
polyester coating thickness	≥ 60	µm
zinc coating type	hot dip	-
colors	Charcoal - Green Ral 6005	RAL 6005

ACCESSORIES

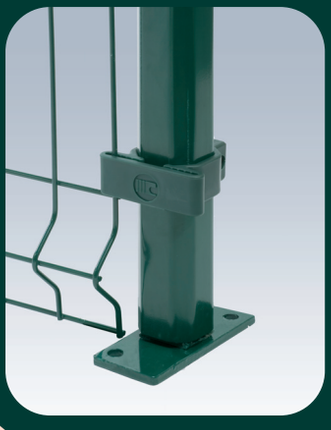
Assembling kit with 10 collars and 10 screws with plastic cap, in charcoal or green color.
Other colors upon request.

The laying of **Paldeco** on masonry bases is facilitated by the use of a specific metal plate to be bolted to the pole.
Also available in the version fitted with the plate welded to the pole, **Paldeco** is equipped with an assembly kit consisting of screws and collars.
Easy to assemble and extremely versatile, **Paldeco** is the ideal complement to many types of Cavatorta brand nets both in rolls and in panels (Decoplax, Decoplax Evoluzione, Stilplax, Overplax, Everplax, Panoplax, etc.).





size in mm



CAVATORTA

PANOPLAX2

SAFETY, ELEGANCE, SIMPLICITY

Panels

Fencing in electro-welded modular panels made out of plastic coated steel wires on galvanized core, with rectangular shaped mesh, horizontal reinforcement bends and defensive barbs on the upper part.

Profilplax Posts

Posts in profiled steel with triangular shape extracted from zinc coated sheeting Z 275, plastic coated green color, with blocks on the inner side for mounting panels and caps welded to the heads. The **Panoplax2** + **Profilplax** system is particularly indicated for fencing in residential, commercial and industrial areas. **Panoplax2** + **Profilplax** panels are respectively sold in **packages of 50** and **60 pieces each**.

PANOPLAX2 PANELS

H cm	L cm	mesh size mm	kg each	kg/m²	horizontal bends n°	package kg each	ø pvc wire mm	h barbs mm
103	200	100x50	6,6	3,20	3	330	4,00	22,00
123	200	100x50	7,8	3,17	3	390	4,00	22,00
153	200	100x50	9,6	3,14	4	480	4,00	22,00
203	200	100x50	12,6	3,10	5	630	4,00	22,00

PROFILPLAX POSTS

H cm	cross section (bxh) mm	thickness mm	kg each	package kg each	blocks distance mm
104	55x48	2,50	3,1	186	50,00
124	55x48	2,50	3,8	228	50,00
154	55x48	2,50	4,7	282	50,00
174	55x48	2,50	5,3	318	50,00
204	55x48	2,50	6,2	372	50,00
250	60x63	2,50	7,5	450	50,00

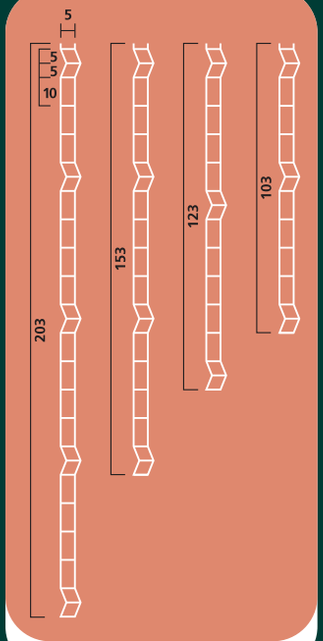
general characteristics	value	unit of measurement	ref. standards
zinc coating type	hot dip	-	UNI-EN 10244-2
colour	green RAAL 6005	-	-

ACCESSORIES

Metallic flaps for blocking the panels (2 pre-cut pieces at the base of the pole)

Metallic sleeve strap with 4 holes in alpine green color for fixing the pole onto bases in walls or floors

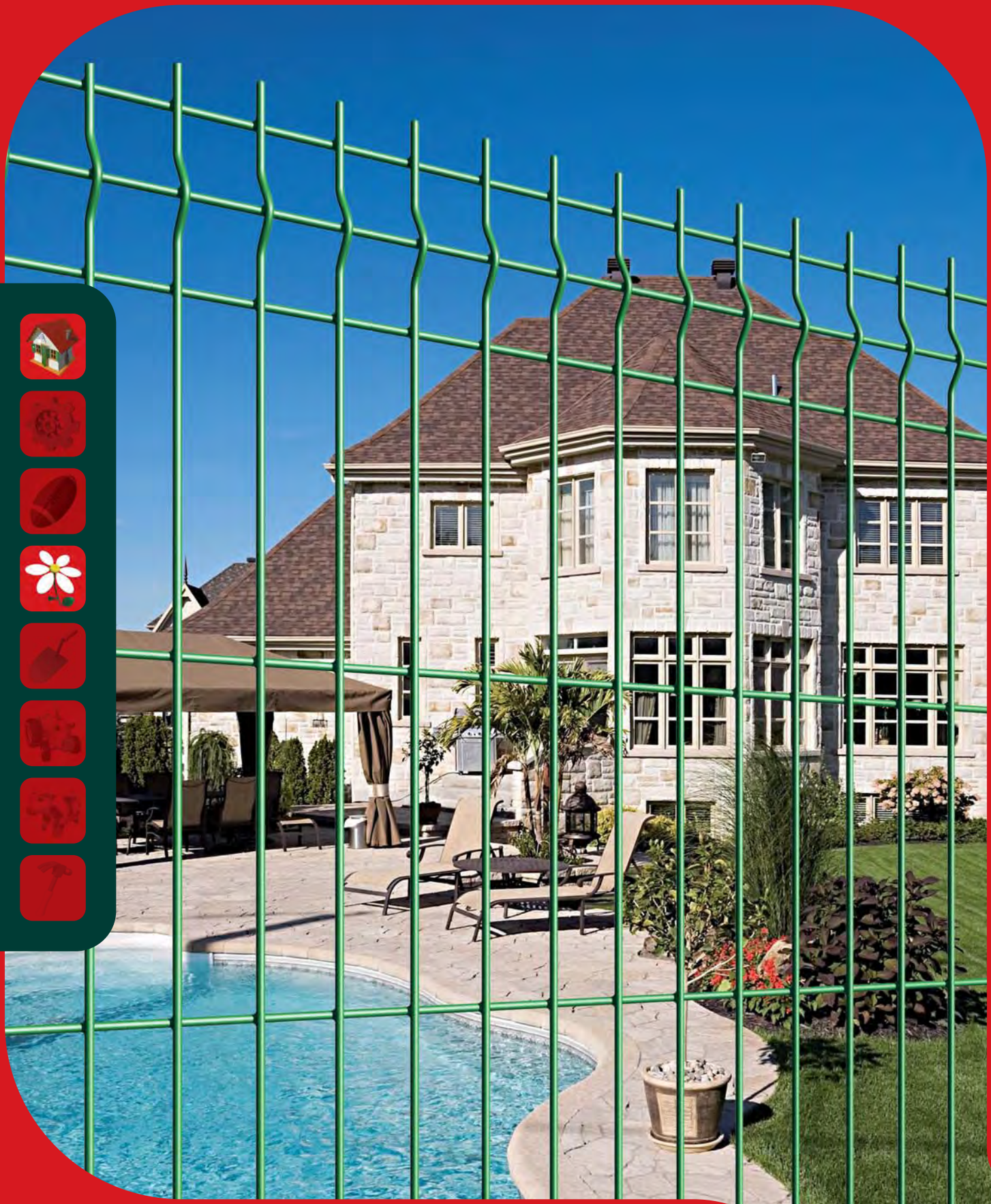
Pliers for rapid easy insertion of the blocking flaps



Panoplax2 fulfils all the requirements of high grade professional fencing but is also suitable for the DIY market:

- the thickness of the steel wire, the modular **Profilplax Post**, the innovative post/panel blocking system, the depth of the horizontal bends and the climb prevention barbs make the fence robust and solid;
- the system allows the post and panel to be fitted together without the use of screws and bolts, which prevents bothersome vibrations and makes installation easier;
- the horizontal bends, the shape of the mesh, the modular fitting between post and panel and the perfect plastic coating all combine to give an extremely attractive product.

CAVATORTA



PANOPRO

THE HIGH LEVEL RESIDENTIAL FENCE

Panels

Modular electro welded panels in galvanized steel wire, plastic coated in a green colour, with a rectangular-shaped mesh, horizontal reinforcement ribs and spikes at the top.

Profilpro posts

Profiled steel poles with an aesthetically pleasing and elegant shape, made from Z275 galvanized steel, coated in polyester green, with clips for attaching the panels and plastic cap on the heads. The **Panopro** + **Profilpro** system is particularly suitable for fencing of public and commercial buildings, industrial and sport areas. The **Panopro** panels and the **Profilpro** poles are marketed, respectively, in **packages of 50** and **60 pieces.**

PANELS

H cm	L cm	mesh size mm	kg ca.	horizontal bends n°	package kg each	Ø pvc wire mm	h barbs mm
103	250	200x50	10,30	2	560	5,00	22,00
123	250	200x50	11,99	2	650	5,00	22,00
153	250	200x50	15,18	3	820	5,00	22,00
173	250	200x50	16,87	3	910	5,00	22,00
203	250	200x50	20,05	4	1080	5,00	22,00
253	250	200x50	23,98	4	1290	5,00	22,00

PROFILPRO POSTS

H cm	cross section mm	thickness mm	kg each	package kg ca.
100	70x60	2	2	120
120	70x60	2	2,6	156
140	70x60	2	2,8	168
160	70x60	2	3,3	198
180	70x60	2	3,7	222
200	70x60	2	4,6	276
220	70x60	2	5,06	304
250	70x60	2	5,4	324

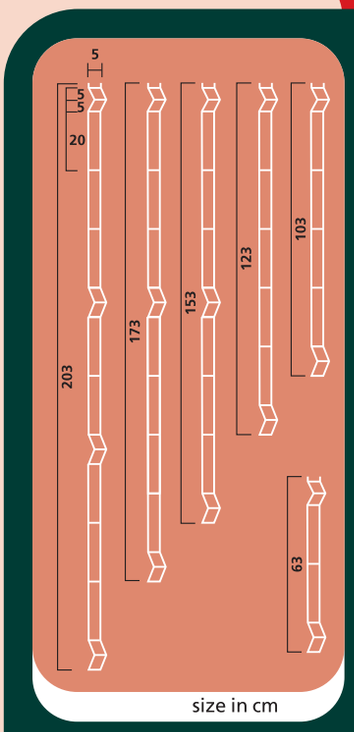
general characteristics	value	unit of measurement	ref. standards
zinc coating type	hot dip	-	UNI-EN 10244-2
colour	bright alpine green	-	-

ACCESSORIES

Stainless steel staples for panel assembly

Post metal plate with 4 holes, green color Ral 6005, for ground or floor post construction

Pliers for easy stapling



size in cm

Panopro presents all the requirements of a high-quality professional fence, lending itself also to DIY use:

- The appropriate thickness of the steel wires combined with the shape of **Profilpro posts**, the innovative post/panel locking system, the depth of the horizontal ribs and anti-climbing spikes provide the fence with solidity and strength;
- The locking system with patented clips allows to join the panel to the post without the use of screws and bolts, prevents annoying vibrations and greatly facilitates the installation of the fence;
- The horizontal ribs, the geometry and arrangement of the mesh, the modularity of the connection between the pole and the panel, and the accurate plastic coating ensure a pleasant and modern appearance.

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

REPLAX

PLASTIC-COATED CHAINLINK

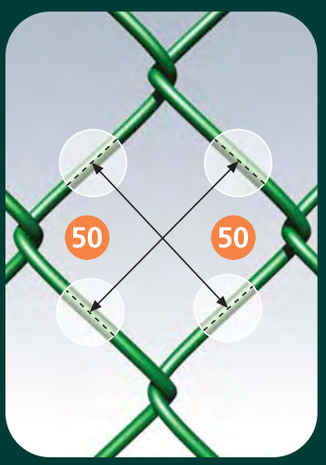
Plastic-coated chainlink fencing with diamond shaped mesh made using the simple torsion process. The zinc coated steel wires of the mesh are plastic coated through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Mainly for use in fencing for residential, industrial, sports related and agricultural areas. Its performance is guaranteed for over 10 years if used in normal condition. **Replax** fencing mesh is sold in rolls of **25 m** with protective covers on the ends, in **bundles of 9 rolls** each.

H cm	roll kg each	kg/m²	bundle kg each	ø galvanized core mm	ø pvc wire mm
80	27	1,35	250	2,20	2,60
100	34	1,35	313	2,20	2,60
125	42	1,35	385	2,20	2,60
150	50,5	1,35	463	2,20	2,60
175	59	1,35	539	2,20	2,60
200	67,5	1,35	617	2,20	2,60
220	74	1,35	676	2,20	2,60
250	84	1,35	766	2,20	2,60
300	101	1,35	919	2,20	2,60

REPLAX T70

Plastic-coated chainlink fencing with diamond shaped mesh made using the simple torsion process. The zinc coated steel wires of the mesh are plastic coated through an extrusion process. Mainly for use in fencing for residential, industrial, sports related and agricultural areas. **Replax T70** fencing mesh is sold in rolls of 25m with protective covers on the ends, in **bundles of 9 rolls** each.

H cm	roll kg each	kg/m²	bundle kg each	ø galvanized core mm	ø pvc wire mm
80	19	0,96	178	1,80	2,70
100	24	0,96	223	1,80	2,70
125	30	0,96	277	1,80	2,70
150	36	0,96	332	1,80	2,70
175	42	0,96	386	1,80	2,70
200	48	0,96	442	1,80	2,70



general characteristics (replax - replax T70)	value replax	value replax T70	unit of meas.	ref. standards
maximum single wire tensile strength	450-550*	650-750*	N/mm²	-
zinc coating type	hot dip	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~12	~10,5	µm	-
PVC thickness	~0,20	~0,45	mm	UNI-EN 10218-2
plastic coating process	sintering	extrusion	-	UNI-EN 10245-2
colour	bright alpine green	bright alpine green	-	-
roll length tolerance	-0/+1	-0/+1	%	-
mesh size tolerance	±4,5	±4,5	mm	UNI-EN 10223-6
ø zinc coated wire tolerance	±0,045	±0,04	mm	UNI-EN 10218-2
ø plastic coated wire tolerance	±0,15	±0,15	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS
MADE IN ITALY
MADE IN ITALY

REPLAX T SPORT

SPORT FENCING

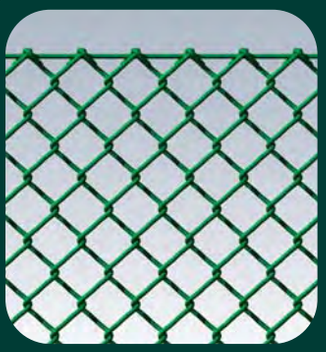
Plastic-coated chainlink with diamond shaped mesh made using the simple torsion method. The zinc coated steel wires of the mesh are coated in PVC. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. For use in fencing that requires high shock resistance, in football fields and for all types of sporting facilities. In normal conditions, **Replax T Sport** is guaranteed against corrosion for over 10 years. **Replax T Sport** is sold in narrow rolls of **10 m** with protective covers on the ends, in **bundles of 9 rolls** each.

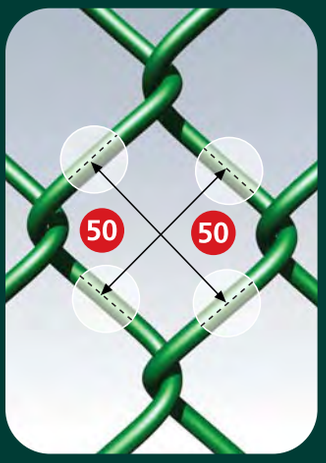
Replax T Sport is extremely strong thanks to the increased diameter of the wires it is made from. It is therefore particularly suitable for constructing fencing that requires special safety standards, such as the perimeter boundaries inside football stadiums (UNI 10121-2).

H cm	roll kg each	kg/m² ca.	bundle kg each	ø galvanized core mm	ø pvc wire mm
200	68	3,40	622	3,50	4,20
220	74,8	3,40	683	3,50	4,20
250	85	3,40	775	3,50	4,20
300	102	3,40	928	3,50	4,20

general characteristics	value	unit of measurement	ref. standards
maximum single wire tensile strength	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness	~15,5	µm	-
PVC thickness	~ 0,35	mm	UNI-EN 10218-2
plastic coating process	sintering	-	UNI-EN 10245-2
colour	bright alpine green	-	-
roll length tolerance	-0/+1	%	-
mesh size tolerance	±4,5	mm	UNI-EN 10223-6
ø zinc coated wire tolerance	±0,06	mm	UNI-EN 10218-2
ø zinc coated wire tolerance	±0,20	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh





Replax T Sport:

- Absorbs shocks without getting deformed thanks to the diameter of the wires, the sizes of the mesh and the connection mode among the wires that make up the mesh;
- Ensures optimum front and side visibility of the pitch even from a very close position to the fence;
- Effectively resists corrosion for a long time thanks to the particular pvc coating of the wires perfected by Cavatorta (Galvaplax Process).

The responsiveness of the T Replax Sport system to the Ministerial Decree 18th March, 1996 (as amended) and the Uni 10121-2:1992 norm requires compliance with the rules for proper installation.

Upon request, technical drawings of the fence can be supplied, in compliance with the ministerial UNI 10121-2 regulations in force.

CAVATORTA

PEDESTRIAN GATES

Steel pedestrian gate, pvc coated in yellow (RAL 1012) with perimeter frame and support poles, both of steel square tube with mirrors made of electro welded wiremeshand components of the steel closing system. The supporting poles are supplied with plastic caps on the top part and adjustable hinges.

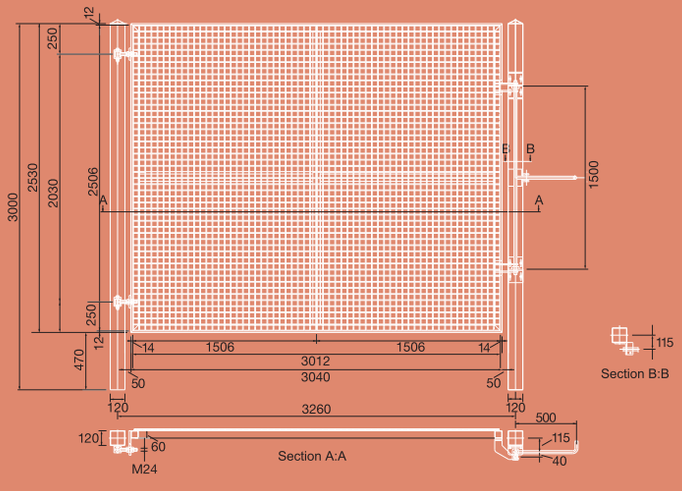
H cm	L cm	gate kg ca.	dim. maglia mm	painted gate size mm	frame dimension gate cm	supporting profile posts dim. mm	film coating tickness µm
253	165	223	50,0x50,0	177x253	143x253	120x120x5	150
223	165	207,2	50,0x50,0	177x223	143x223	120x120x5	150

VEHICLE ENTRANCE GATES

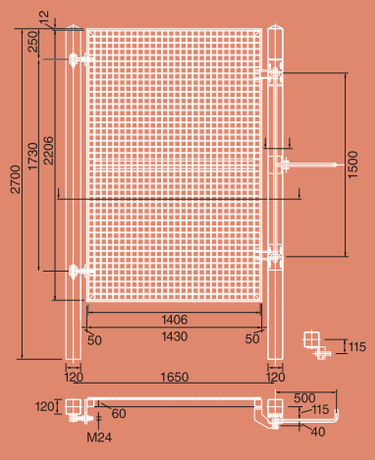
Double vehicle entrance gate, pvc coated in yellow (RAL 1012), with a perimeter frame of the doors and supporting poles, in a square steel tube, with mirrors made of electro welded wiremeshwith square-shaped mesh, and components of the steel closing system.

H cm	L cm	gate kg ca.	dim. maglia mm	painted gate size mm	frame dimension gate cm	supporting profile posts dim. mm	film coating tickness µm
253	326	294	50,0x50,0	338x253	304x253	120x120x5	150
223	326	276,2	50,0x50,0	338x223	304x223	120x120x5	150

vehicle entrance gates h 253



pedestrian gates h 223



Necessary in order to complete the fencing of sports facilities complying with the Ministerial Decree system 18th March 1996 (as amended) and the UNI 10121-2:1992 regulations. The correspondence subject to the rules dictated by the manufacturer for proper application.

ACCESSORIES TSPORT

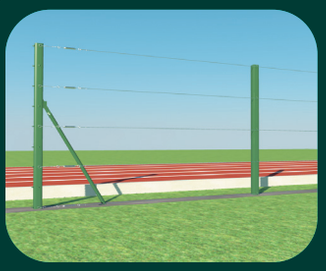
FOR A CERTIFIED SPORT FENCING SYSTEM

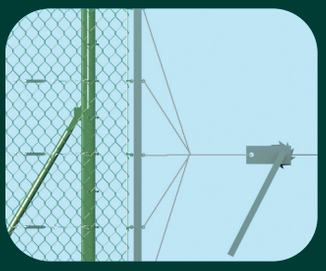
POLES

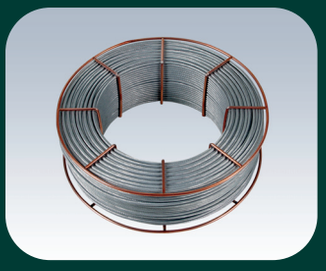
Steel profiled square/rectangular pole, made from hot galvanized steel, plasticized with green PVC (RAL 6005), with head sealed by a cap made of green plastic.

	External perimetral separators UNI 10121-2				Internal perimetral separators UNI 10121-2			
accessories	height cm	section mm	thickness mm	unit weight kg ca.	H mm	section mm	thickness mm	unit weight kg ca.
corner posts Galvanized + powder coated green posts, square shape, with metallic cap	300	120x120	3,00	34	270	80x80	3,00	20,4
other posts Galvanized + powder coated green posts, rectangular shape, with metallic cap	300	120x60	3,00	25	270	80x60	3,00	17,3
stays Galvanized + powder coated green stays, round shape	253	60x30	3,00	10,3	253	60x30	3,00	10,3
Steel tension bars PVC coated	255	10,00	-	1,6	225	10,00	-	1,4

(*) with or without supports on which stay has to be positioned



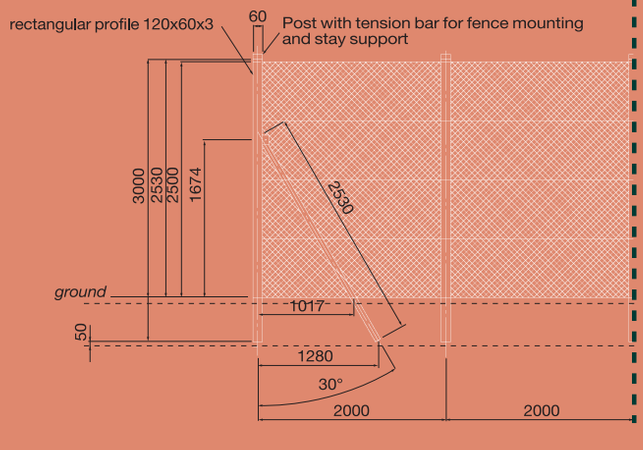




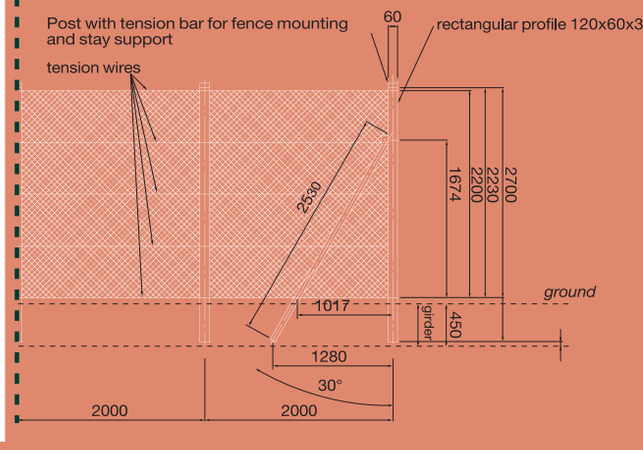
ACCESSORIES

tension wires	Steel spiral galvanized rope, 19 wires 4.00 mm. Thick.
tying wire	galvanized and PVC coated green, diam. 2.6 mm
clamp	galvanized M5
tensioner	two galvanized eyelet M8

External perimetral separators h 2500 mm



Internal perimetral separators h 2200 mm



(*) measures in mm.

Necessary to complete the fencing of sports facilities complying with the Ministerial Decree system of 18th March 1996 (as amended) and the UNI 10121-2:1992 regulations. The correspondence subject to the mode dictated by the manufacturer for proper application.

CAVATORTA

MADE IN ITALY
MADE IN ITALY

GALVANIZED CHAINLINK

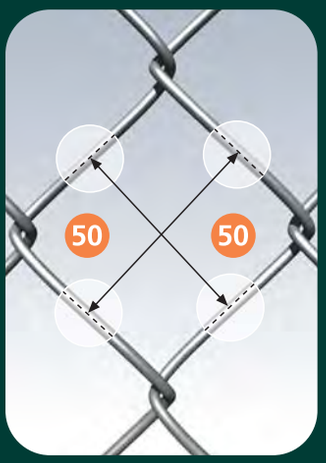
DIAMOND MESH

Galvanized Chainlink with diamond shaped mesh made using the simple torsion method. The wires of the mesh are galvanized. Mainly for use in construction and agricultural sectors, and for fencing residential areas. **Galvanized Chainlink** fencing mesh is sold in tightly wound rolls of **25m** with protective caps on the ends, in **bundles of 9 rolls** each.

H cm	roll kg each	kg/m²	bundle kg each	ø wire mm
100	25	0,99	232	2,00
125	31	0,99	286	2,00
150	37	0,99	341	2,00
175	43	0,99	395	2,00
200	49	0,99	451	2,00
100	32	1,28	295	2,20
125	40	1,28	367	2,20
150	48	1,28	440	2,20
175	55	1,28	505	2,20
200	63	1,28	577	2,20

general characteristics	value	unit of measurement	ref. standards
maximum single wire tensile strength	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SGH)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
wire zinc coating thickness ø 2 mm	~11	µm	-
wire zinc coating thickness ø 2.2 mm	~ 12	µm	-
roll length tolerance	-0/+1	%	-
mesh size tolerance	4,5	mm	UNI-EN 10223-6
zinc coated wire ø tolerance 2.2 mm	±0,045	mm	UNI-EN 10218-2
zinc coated wire ø tolerance 2 mm	±0,04	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh



Upon request, it is possible to produce mesh and wires different from the standard measurements.

Galvanized Chainlink is the most economical and versatile fencing produced by Cavatorta.
Galvanized Chainlink fencing is also the best product for responding to the need for solutions that are both technically effective and economical at the same time.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

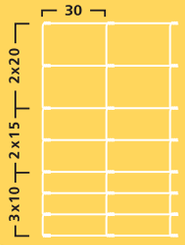
NODAGRI

FENCING FOR LARGE AREAS

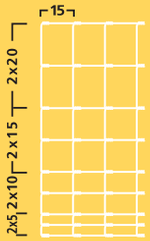
Knotted fencing with differentiated meshs. The vertical (linear) and horizontal (crimped) wires of the mesh are made in zinc coated steel. For use in agricultural and breeding sectors. **Nodagri** fencing is sold in 50m or 100m rolls on pallets wrapped in recyclable polyethylene film.

H/horizont al wires/mesh cm/n°/cm	L m	roll kg each	kg/m² each	roll/pallet n°	pallet kg each	ø selvedge mm	ø other wires mm
100-8-30	50/100	16/32	0,32	16/9	266/298	2,50	2,00
100-9-15	50/100	22/44	0,44	16/9	362/406	2,50	2,00
100-9-30	50/100	17/34	0,34	16/9	282/316	2,50	2,00
120-10-15	50/100	25/50	0,42	16/9	410/460	2,50	2,00
150-13-15	50	32	0,43	12	394	2,50	2,00
100-9-15	100	70	0,70	6	430	3,00	2,40
120-10-15	100	77	0,64	6	472	3,00	2,40
140-12-15	100	95	0,68	6	580	3,00	2,40

100/8/30

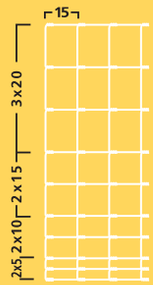


100/9/15



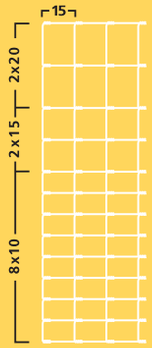
100/9/30

120/10/15



140/12/15

150/13/15



misure in cm

general characteristics	value	unit of measurement	ref. standards
vertical wires maximum unitary tensile strength	450-550*	N/mm²	-
horizontal wires maximum unitary tensile strength	600-700*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness selvedge wires (min/max)	~10/~14	µm	-
zinc coating thickness vert. wires	~10	µm	-
zinc coating thickness horiz. wires	~10	µm	-
roll length tolerance	-0/+1	%	-
Ø zinc coated wire tolerance (min/max)	±0,040/±0,050	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA


QUALITY GUARANTEED
GALVAFORT PROCESS
MADE IN ITALY
MADE IN ITALY

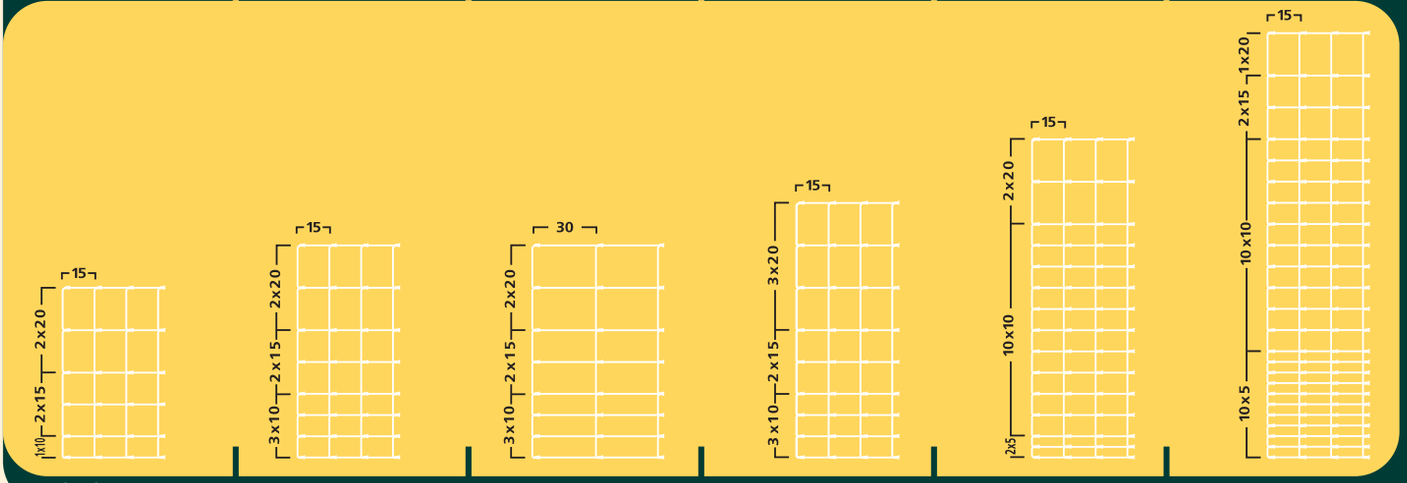
ZINC COATED
STRONG

NODAFORT

FENCING FOR AGRICULTURE

Knotted fencing with differentiated meshes. The vertical (linear) and horizontal (crimped) wires of the mesh are galvanized through the exclusive **"Galvafort Process"** created by Cavatorta. For use in agricultural and breeding sectors.
Nodafort fencing is sold in 50m or 100m rolls on pallets wrapped in recyclable polyethylene film.

H/horizont al wires/mesh cm/n°/cm	L m	roll kg each	kg/m²	roll/pallet n°	pallet kg each	ø selvedge mm	ø other wires mm
80-6-15	50	17	0,42	16	282	2,50	2,00
100-8-15	50	21	0,42	16	346	2,50	2,00
120-9-15	50	24	0,40	16	394	2,50	2,00
150-15-15	50	35	0,47	16	570	2,50	2,00
200-24-15	50	53	0,53	12	646	2,50	2,00
100-8-15	100	42	0,42	9	388	2,50	2,00
100-8-30	100	32	0,32	9	298	2,50	2,00



size in cm

general characteristics	value	unit of measurement	ref. standards
vertical wires maximum unitary tensile strength	450-550*	N/mm²	-
horizontal wires maximum unitary tensile strength	600-700*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness selvedge wires	~32	µm	-
zinc coating thickness vert. wires	~ 34	µm	-
zinc coating thickness horiz. wires	~ 30	µm	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance 2.5 mm	±0,06	mm	UNI-EN 10218-2
ø zinc coated wire tolerance 2 mm	±0,05	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA


MADE IN ITALY
MADE IN ITALY
QUALITY GUARANTEED
GALVATEC PROCESS

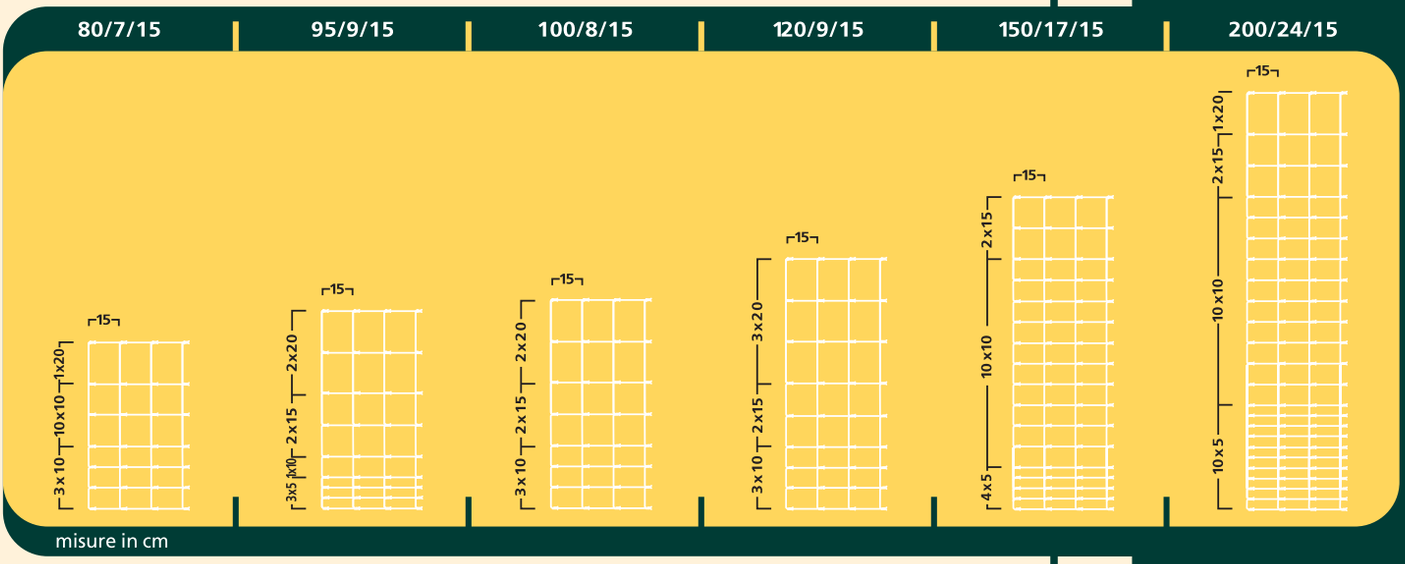
ZN-AL ALLOY COATED

NODATEC

LOW EXTENSION KNOTTED FENCING

Knotted fencing with differentiated meshs. The vertical, linear and horizontal (crimped) of the fencing are made of steel with an everage extension of less than 10% and coating of 95% zinc alloy and 5% aluminium made using Cavatorta's exclusive **"Galvatec Process"**. This fencing is designed for use in agricultural and breeding areas. **Nodatec** fencing is produced in rolls of 50 m, on pallets with 12 rolls each wrapped in recyclable polyethylene film.

H/horizont al wires/mesh cm/n°/cm	L m	roll kg each	kg/m² each	pallet kg each	ø selvedge mm	ø other wires mm
80-7-15	50	17,5	0,44	221	2,50	2,00
95-9-15	50	21,5	0,45	269	2,50	2,00
100-8-15	50	21	0,42	263	2,50	2,00
120-9-15	50	24	0,40	299	2,50	2,00
150-17-15	50	37,1	0,49	456	2,50	2,00
200-24-15	50	53	0,53	647	2,50	2,00



misure in cm

general characteristics	value	unit of measurement	ref. standards
single vertical wires maximum tensile strength	450-550*	N/mm²	-
single horizontal wires maximum tensile strength	>600*	N/mm²	-
aluminum/zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc percentage in coating	~95	% p/p	-
aluminum percentage in coating	~5	% p/p	-
coating thickness on wire selvedge	~37	µm	-
coating thickness on other wires	~33	µm	-
roll length tolerance	-0/+1	%	-
selvedge wires tolerance	±0,060	mm	UNI-EN 10218-2
other wires tolerance	±0,050	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA


MADE IN ITALY
MADE IN ITALY
QUALITY GUARANTEED
GALVAFORT PROCESS

GALVANIZED AFTER WEAVING

TREFORT

GALVANIZED NETTING

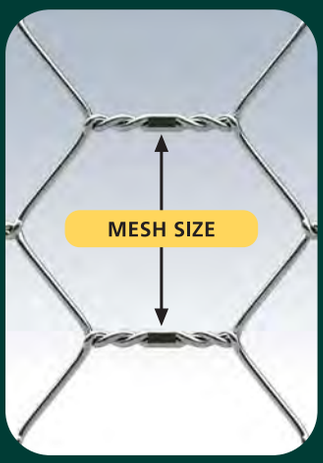
Hexagonal netting zinc-coated after manufacture using Cavatorta's unique **"Galvafort Process"**. For use in industrial, construction, agricultural, breeding and diy sectors. **Trefort** fencing is sold in **50 m** rolls on pallets wrapped in recyclable polyethylene film.

mesh mm	ø zinc coating mm/JDP	H cm	roll kg each	kg/m² each	roll/pallet n°	pallet kg each	tension wires longitud. no.
13,0	0,7-2	50	14	0,56	18	262	2
13,0	0,7-2	60	16	0,55	18	298	2
13,0	0,7-2	80	21,5	0,54	18	397	2
13,0	0,7-2	100	27	0,54	18	496	2
16,0	0,7-2	50	11,5	0,46	18	217	2
16,0	0,7-2	60	13,5	0,45	18	253	2
16,0	0,7-2	80	18	0,44	18	334	2
16,0	0,7-2	100	22	0,44	18	406	2
20,0	0,7-2	50	9,3	0,37	25	242,5	2
20,0	0,7-2	60	11	0,36	25	285	2
20,0	0,7-2	80	14,4	0,35	25	370	2
20,0	0,7-2	100	17,5	0,35	25	447,5	2
20,0	0,7-2	150	26	0,35	25	660	2
25,0	0,8-3	50	9	0,35	25	235	2
25,0	0,8-3	60	10,5	0,37	25	272,5	2
25,0	0,8-3	80	15	0,37	25	385	3
25,0	0,8-3	100	18,5	0,37	25	472,5	4
25,0	0,8-3	120	22	0,37	25	560	4
25,0	0,8-3	150	27,8	0,37	25	705	4
25,0	0,8-3	200	37	0,37	25	935	5
51,0	1,1-6	100	15	0,30	25	385	4
51,0	1,1-6	120	18	0,30	25	460	4
51,0	1,1-6	150	22,5	0,30	25	572,5	4
51,0	1,1-6	200	30	0,30	25	760	6

general characteristics	value	unit of measurement	referenced standards
single wires maximum tensile strength	450-550*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
roll length tolerance	-0/+1	%	-

(*) the values refer to the wire before construction of the mesh

The torsion of the wires and the hexagonal mesh together with the excellent quality standards and increased thickness of the zinc coating, obtained through the **"Galvafort Process"**, gives **Trefort** fencing exceptional durability and malleability. This makes it unbeatable when used for special products such as protective barriers for ornamental flowering plants, and fencing for small pets such as rabbits and birds. **Trefort** also has a wide range of applications in the building industry as a support for fine plaster, quick drying and average drying floating screed, and as reinforcement for thermal and acoustic insulation materials.



Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA

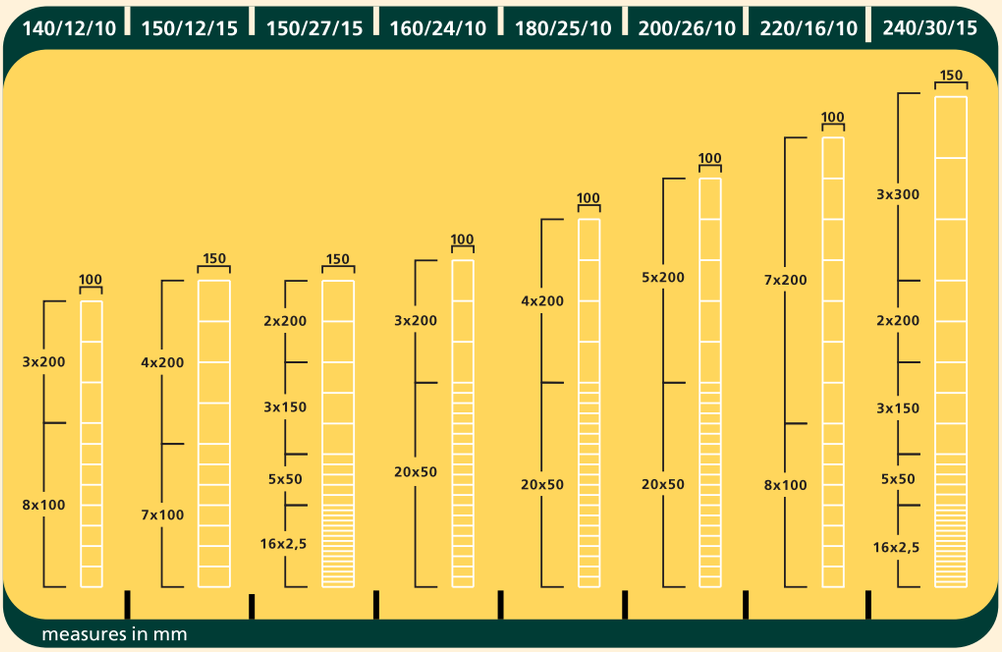

QUALITY GUARANTEED
GALVAFORT PROCESS
MADE IN ITALY
MADE IN ITALY

AUTOFOR

MOTORWAY FENCING

Autofor is an electro-welded wire mesh, which has been heavily galvanized and has progressive mesh disposal from bottom to top for motorway fencing. **Autofor** is strong, secure, fast and simple to install. The deep welding points provide a fence unequalled in its stability and the heavily galvanized wires ensure the greatest protection against corrosion. **Autofor system is completed with posts, stays, tying and tension wires, wire strainers and fixing accessories, all supplied by Cavatorta.** **Autofor** is a manufactured and supplied in 50 m rolls in shrink wrapped palletes with 6 rolls.

type	roll kg each	kg/m²	pallet kg each	ø wire
140x12x10	51,0	0,73	317	2,50
150x27x15	72,5	0,97	446	2,50
160x24x10	78,5	0,98	482	2,50
180x25x10	84,5	0,94	518	2,50
200x26x10	90,0	0,90	551	2,50
220x16x10	74,5	0,68	458	2,50
240x30x15	90,0	0,75	551	2,50
150x12x15	62,0	0,83	383	3,00

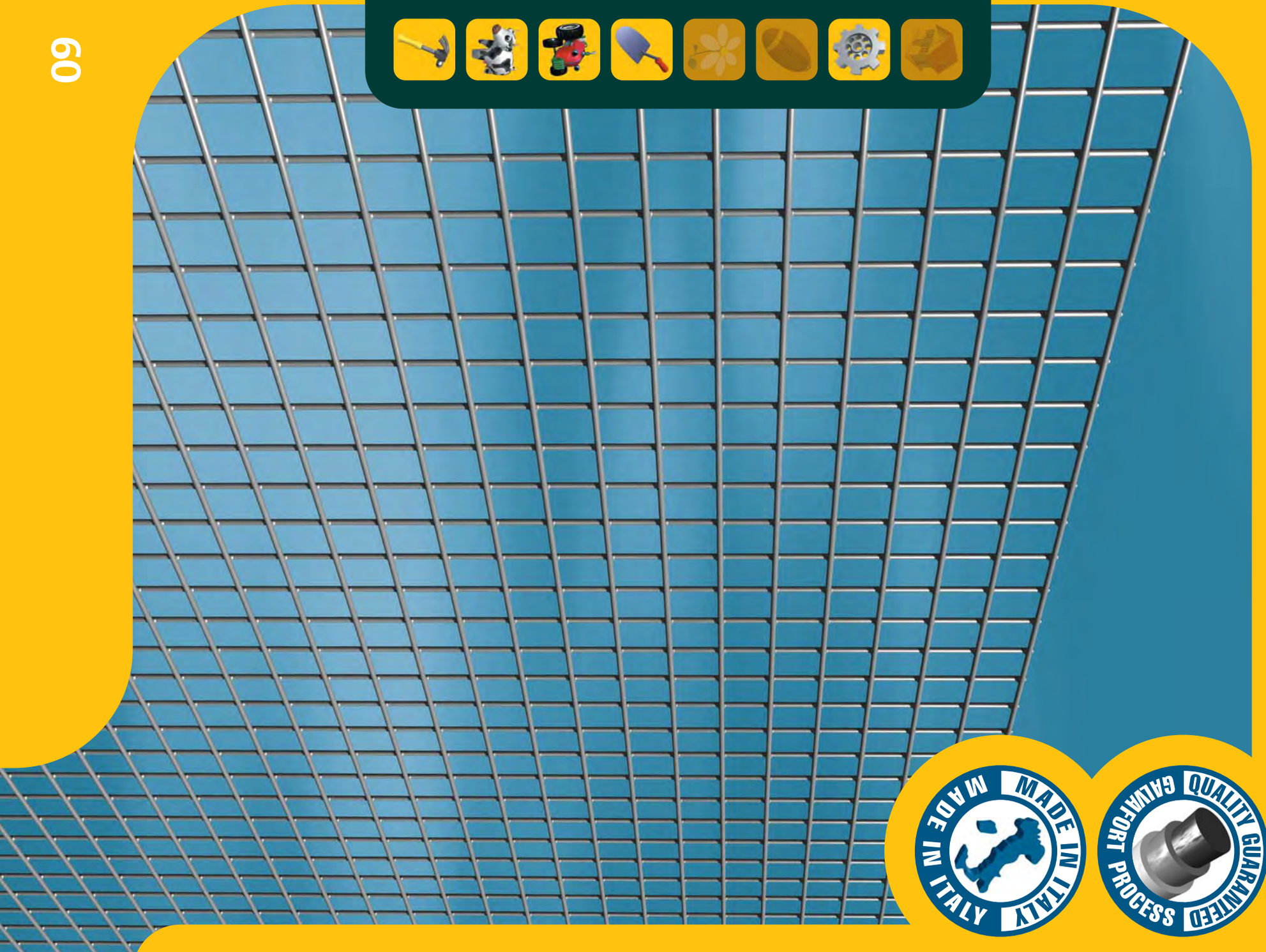


general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	> 400*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness wire 2,50 mm	~35	µm	-
zinc coating thickness wire 3,00 mm	~36	µm	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire 2,50 mm	±0,06	mm	UNI-EN 10218-2
ø zinc coated wire 3,00 mm	+0,07	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh

Any other mesh disposal available on request.

CAVATORTA


MADE IN ITALY
MADE IN ITALY
QUALITY GUARANTEED
GALVAFORT PROCESS

GAW

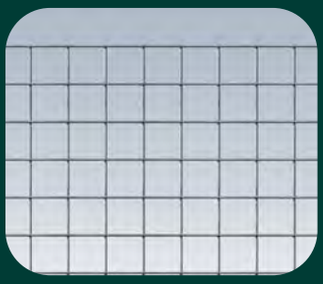
ESAFORT

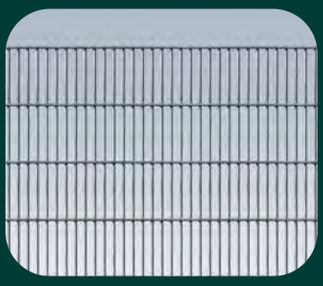
THE MULTIFUNCTIONAL ZINC COATED MESH

Esafort is made up of electro-welded steel wires with rectangular or square shaped meshes zinc-coated after welding using the exclusive **"Galvafort Process"**. Esafort 's extensive product range enables an extremely wide variety of applications in construction, industry, agricultural, breeding, aviary and diy sectors. **Esafort** is sold in 5, 25 and 30 m rolls on pallets wrapped in recyclable polyethylene film.

mesh size mm	ø zinc coated wire mm	H cm	L m	roll kg each	roll/pallet n°
6,3x6,3	0,65	50-100	25	12-24	15
8,3x8,3	0,80	61-81-101	25	17-24-29	15
10,6x10,6	0,90	60-81-101	25	17-23-28	12
12,7x12,7	0,80	51-100	25	9-17	15
12,7x12,7	1,05	51-60-70-80-100	25	14-18-20-23-28	12
12,7x25,4	1,45	51-60-70-80-100	25	22-26-31-35-44	8
16x16	1,20	61-80-101	25	19-25-32	24-12-12
19x19	1,45	51-61-70-80-101-120	25	19-23-27-31-38-46	8
19x19	2,05	101	25	70	6
25,4x25,4	1,75-2,05	102	25	43-55	6
25,4x50,8	2,05	102-150-201	25	40-59-79	6
50,8x50,8	2,05	102-153	25	28-42	6
76,2x12,7	2,45/2,05*	61-76	25	54-67	6
6,3x6,3	0,65	90	30	23,30	12
12,7x12,7	1,05	90	30	27,20	12
12,7x12,7	1,05	120	30	36,70	12
12,7x25,4	1,05	90	30	19,20	12
12,7x25,4	1,05	120	30	25,60	12
12,7x25,4	1,05	180	30	38,40	12
25,4x25,4	1,05	90	30	13,00	12
12,7x12,7	1,60	90	30	71,40	9
12,7x12,7	1,60	120	30	93,60	9
12,7x25,4	1,60	90	30	52,00	9
12,7x25,4	1,60	120	30	69,20	9
12,7x25,4	1,60	180	30	104,00	9
19x19	1,60	60	30	30,30	9
19x19	1,60	90	30	45,50	9
19x19	1,60	120	30	60,70	9
25,4x25,4	1,60	60	30	23,70	9
25,4x25,4	1,60	90	30	35,60	9
25,4x25,4	1,60	120	30	47,50	9
25,4x25,4	1,60	180	30	71,20	9
25,4x25,4	2,00	90	30	57,60	9
25,4x25,4	2,00	120	30	76,80	9

(*) the first value refers to the vertical wire; the second to the horizontal one





Upon request, it is possible to produce mesh and wires different from the standard measurements.

The high quality zinc-coating process **"Galvafort Process"**, perfected by Cavatorta, makes **Esafort** a highly superior product with various advantages including:

- a homogeneous zinc-coating, which is uniform and extends to every part of the mesh,
- a considerable thicker layer of zinc compared to that required by European standards which gives increased corrosion resistance,
- superior adherence of the protective zinc-coating to the steel wire which prevents it flaking when subjected to bending and shaping.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

AGRISALD

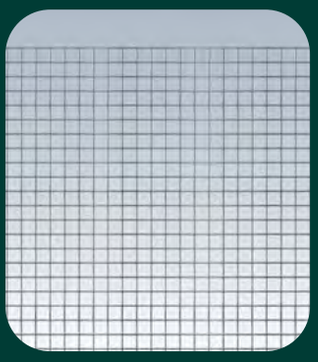
ELECTRO-WELDED MESH

An economical electro-welded zinc-coated wire with rectangular or square meshes. The vertical and horizontal wires are both linear and galvanized. Mainly for use in the building, industrial, agricultural and breeding sectors.
Agrisald is sold in **25 m** rolls on **pallets wrapped** in recyclable polyethylene film. The most important qualities of Agrisald are: corrosion resistant protective zinc-coating, strong weld points, regular and uniform meshes, smoothed edges for safer handling and guaranteed roll weight and length.

mesh size mm	ø wire mm	H cm	roll kg each	roll/pallet n°
12,7x12,7	1,45	51-60-70-80-100	27-31-37-42-52	9
12,7x25,4	1,45	51-60-70-80-100-121	20-23-27-31-39-47	9
19,0x19,0	1,45	51-61-70-80-101-120	18-21-25-28-35-42	9
25,4x25,4	1,80	102	38	9
50,8x25,4	2,00	102-122-153-183-203	39-47-58-69-77	9
50,8x50,8	2,00	102-122-153-183-203	26-31-39-46-52	9
76,2x50,8	2,00	84-99-122-153-183-198	18-22-27-33-38-42	9

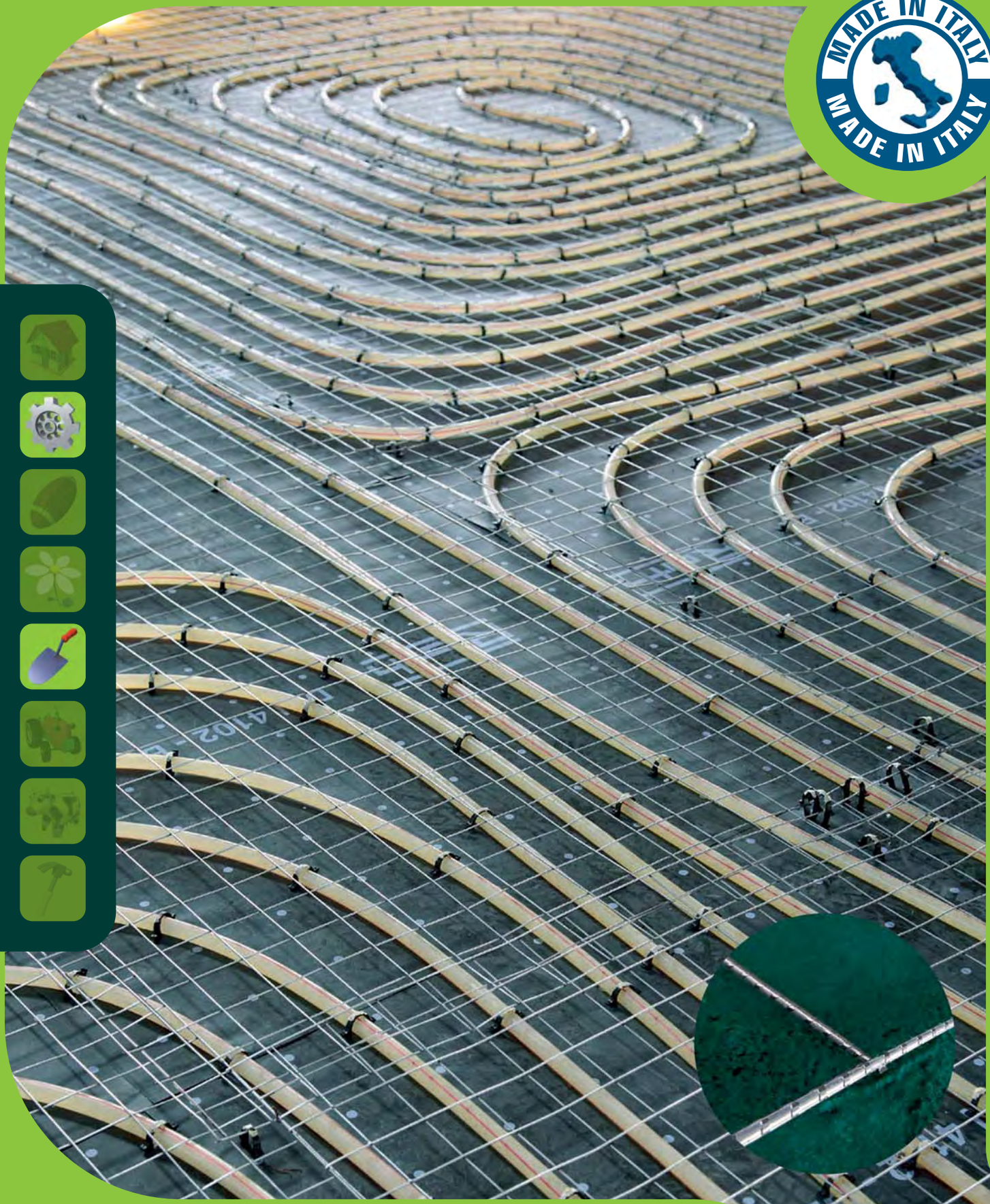
general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550*	N/mm²	-
welding resistance (min/max)	398/757	N	ASTM.A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc coating thickness (min/max)	~8,5/~10	µm	-
roll length tolerance	-0/+1	%	-
ø zinc coated wire tolerance (min/max)	±0,035/±0,040	mm	UNI-EN 10218-2

(*) the values refer to the wire before construction of the mesh



Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

PAVITEC HP NERVATO

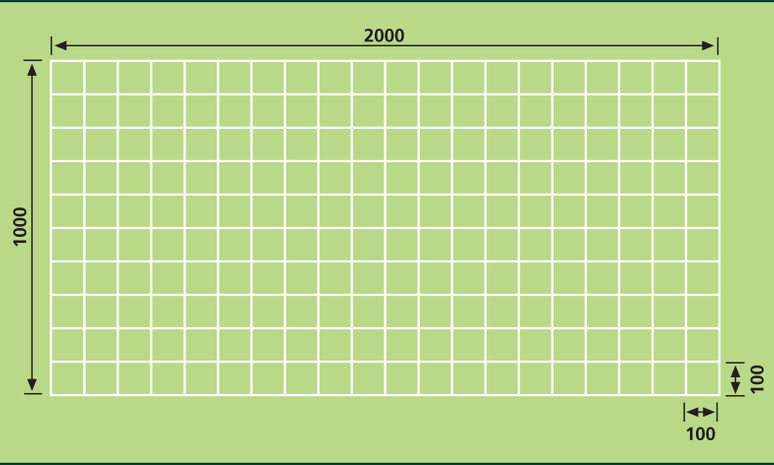
ANTI-CRACKING FENCE FOR HEATED FLOORS

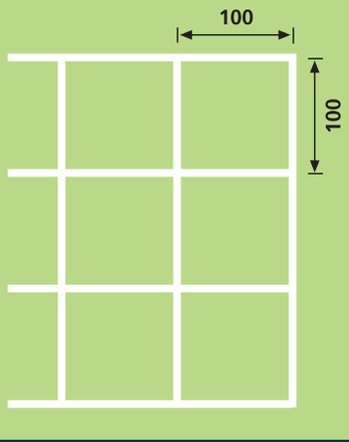
Electro-welded fencing in panels, with square-shaped mesh. Both vertical and horizontal wires are galvanized. This product is mainly used to prevent cracking caused by hygrometric shrinkage and as a light reinforcement on heated and floating floors. The **Pavitec HP** panels are sold in bundles of 15 panels on pallets with 18 packages each, for a total of 270 panels.

H cm	L cm	mesh size mm	panel kg each	kg/m²	panel/pallet n°	pallet kg each	ø wire mm
100	200	100x100	2,32	1,16	270	630	3,00

general characteristics	value	unit of measurement	ref. standards
maximum single wire tensile strength	≥ 600*	N/mm²	-
welding resistance	≥ 1650	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity level (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
zinc weight	100	g/m² of wire	-
wire zinc coating thickness	~14	µm	-
panel length tolerance	-0/+1	%	-
zinc coated wire tolerance	±0,05	mm	UNI-10218-2

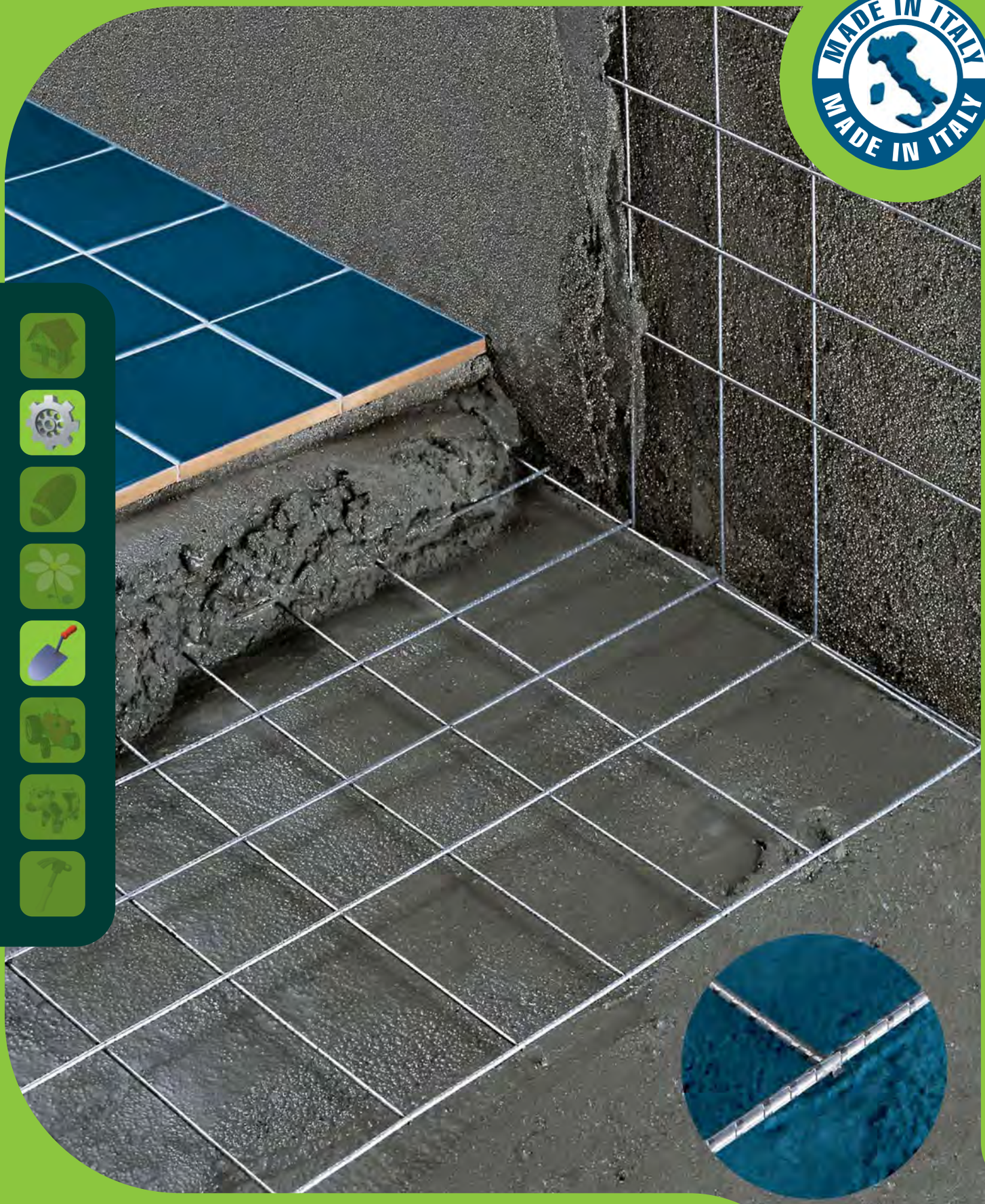
Pavitec panels have no sharp edges.





In comparison to the Pavitec panel, **Pavitec HP** is produced with a thicker wire, giving the panel more durability and solidity thus providing better protection against movement and the resultant cracks in floors.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

PAVITEC PRO NERVATO

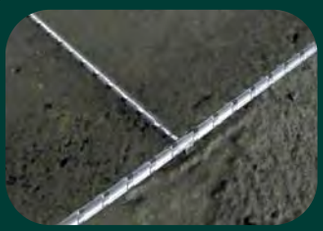
HIGH ADHERENCE ANTI-CRACKING REINFORCING PANELS

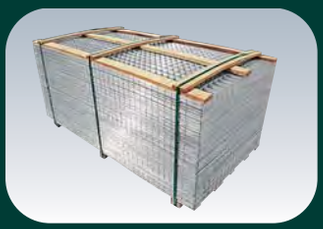
Electro weldedmeshwith improved adherence in flat sheets for floors and facades, with-anti cracking and anti-shrinkage functions. The transverse and longitudinal wires of the panel, both linear and orthogonal to each other, have a surface provided with ribs, evenly distributed along the entire length, which prevent the mutual sliding between steel and concrete, and consequently improve the adhesion between the panel and the concrete. Themeshwires are protected by a zinc coating through a galvanizing process by means of hot-dip in order to increase resistance against corrosion. The **Pavitec Pro Ribbed** panel is sold in bundles of 20 pieces, placed on pallets of 25 bundles each, for a total of 500 panels.

H cm	L cm	panel kg each	kg/m²	panel/pallet n°	pallet kg each	ø zinc coating mm
100	200	1,6	0,80	500	800	2,00

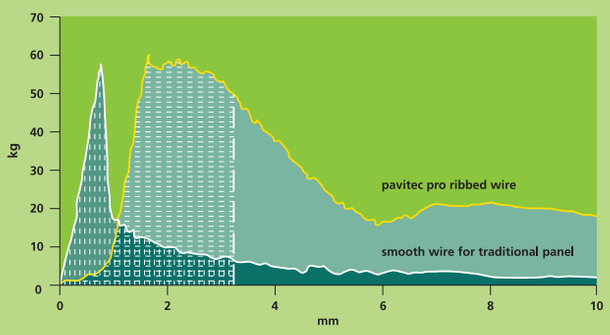
general characteristics	value	unit of measurement	ref. standards
single wires maximum breaking load	700-800*	N/mm²	-
zinc coating type	hot dip	-	-
zinc purity grade (SHG)	~99,995%	-	-
zinc coating thickness	~10	µm	-
panel length tolerance	-0/+1	%	-

(*) the values refer to the wire before construction of the mesh



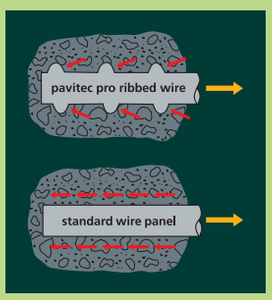


The panels of the Pavitec Pro Nervato line are totally devoid of sharp edges and, therefore, comply with the regulations in force regarding the protection of safety in the workplace.



Data processing charts attached to the Emiliano Geo-Technologic Lab # 2233/E/P dd. 29.09.08

The chart underlines the greatest adherence ability to the slab of ribbed wire used for Pavitec Pro panel, in comparison to the one made out of standard pre-galvanized wire. After the extraction from a concrete cube, ribbed wire maintains a good adherence for over 3 mm. while the smooth standard pre-galvanized wire, just after 1 mm. loses its adherence ability . To extract ribbed wire, a superior job is needed, at least twice which the standard smooth wire requires (the job or energy of extraction, are represented by the outlined areas). Eventually, Pavitec Pro panel compared to the standard pre-galvanized panel gives much more resistance to every concrete slab.



The adherence increase obtained with Pavitec Pro, is due to the ribbed wire feature that gives the best grip between concrete and wire ribs.

Flooring and plasters ideal suport, **Pavitec Pro Nervato** can be used both in construction and industrial sectors, especially in the realization of compact flatness concrete slabs on which the last flooring is glued. Besides determining an increase of mechanical resistance, **Pavitec Pro Nervato** prevents the formation of superficial cracks or flooring chips due to the concentrated loads. **Pavitec Pro Nervato** also results in the realization of plasters whose thickness of application overcomes the 4 cms.. The false perimetral mesh facilitates the overlap between panels.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

PAVITEC PATENT APPLIED PROFESSIONAL

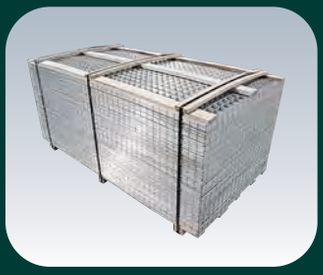
IMPROVED ADHERENCE ANTI-CRACKING REINFORCING PANELS WITH FOLD SPACERS

Pavitec Professional is a panel created and manufactured to solve every installation problem; in fact the particular support geometry, characterized by the presence of 5 longitudinal folds, makes the use of spacers unnecessary. Of the 5 folds, 2 are placed on the edges in order to allow the overlap among adjacent panels without having to resort to the traditional and expensive ligatures; furthermore, the 3 folds intermediate allow walking on the panel, thus avoiding that it gets deformed. Themeshwires are made of high resistance steel (700-800 N/mm2) and have a surface provided with ribs which prevent the mutual sliding between steel and concrete; furthermore, themeshwires are protected by a zinc coating, obtained by means of a hot-dip galvanizing process. All this allows to obtain a screed (or slab) that is smooth, clean and, above all, free from cracks; resistant from the mechanical point of view and, therefore, particularly suitable for the installation of any type of internal and external coating paving. The Panel **Pavitec Professional** is sold in bundles of 10 pieces, placed on pallets of 30 bundles each, for a total amount of 300 panels.

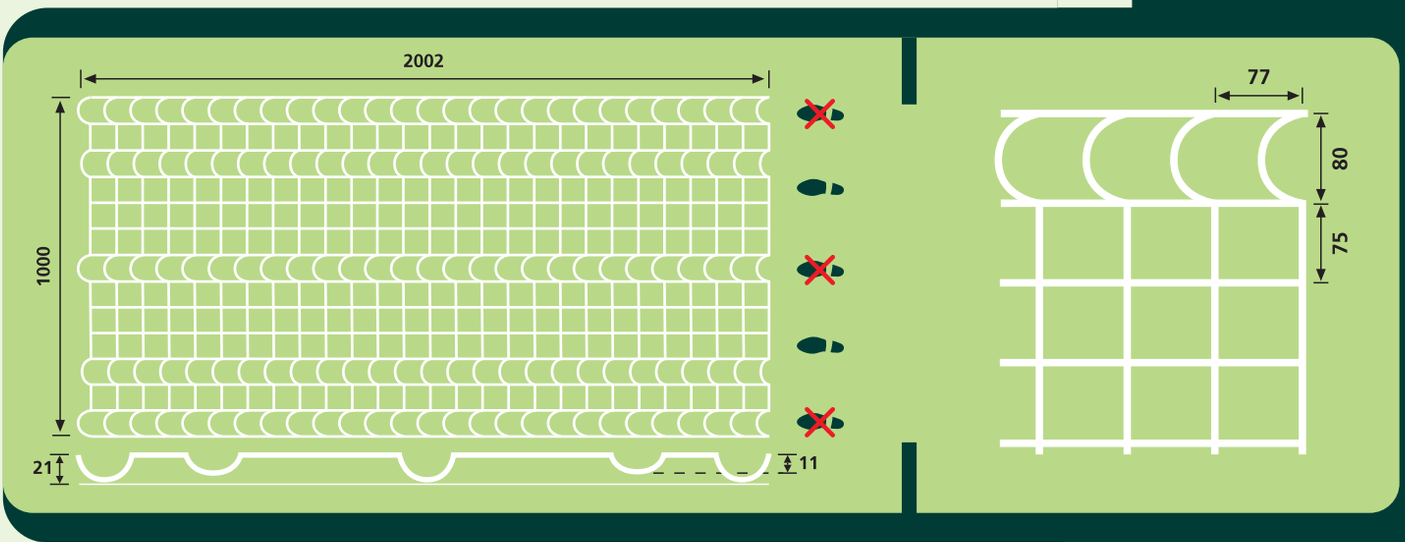
H cm	L cm	mesh size mm	panel kg each	kg/m²	panel/pallet n°	pallet kg each	ø wire mm
100	200	77x75	1,20	0,60	300	360	2,00

general characteristics	value	unit of measurement	ref. standards
single wires maximum breaking load	700-800*	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc coating thickness	~10	µm	-
panel length tolerance	-0/+1	%	-

(*) the values refer to the wire before construction of the mesh



The panels of the Pavitec Professional line are totally devoid of sharp edges and, therefore, comply with the regulations in force regarding the protection of safety in the workplace.



Pavitec Professional is installed with extreme ease and speed and ensures excellent results: in fact, the longitudinal folds simplify the alignment of the panels during assembly and ensure that the sheets can be applied a in raised position with respect to the substrate, so as to remain completely and perfectly immersed in the screed.

CAVATORTA


MADE IN ITALY
MADE IN ITALY

MOBITEC

MOBILE CONSTRUCTION SITE FENCE

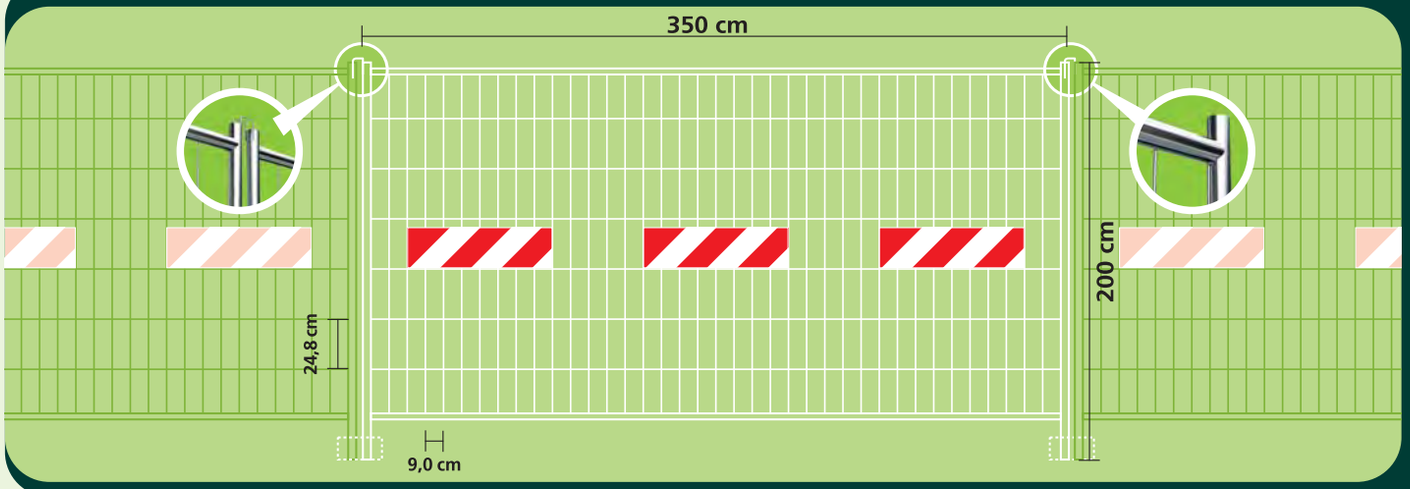
Modular panelled fence with reinforced concrete footings, also produced in the high-visibility version. The buffering in high-resistance electro weldedmeshwith a rectangular-shaped mesh, is welded in the middle of the tubular frame. The longitudinal and transverse wires of themeshare made of galvanized steel. The use of the fencing is for temporary and mobile sites, public areas and spaces. The fence with no sharp edges and, if accompanied by a reflective band, complies with the **EEC directives no 92/57 and 92/58, of Legislative Decree n 494 of 14.08.96 and with the rules of the Highway Code.**

H cm	L cm	panel kg ca.	mesh size cm	ø zinc coated wire mm	ø tubular zinc coated frame mm
200	350	20	24,8x9,0	3,80	42,00

general characteristics	value	unit of measurement	ref. standards
single wires maximum breaking load	450-550*	N/mm²	-
welding resistance	≥ 2750	N	ASTM. A 185-06
zinc coating type	hot dip	-	UNI - EN 10244-2
zinc purity grade (SHG)	~99,995	%	UNI - EN 1179
zinc adherence	1 (excellent)	-	UNI - EN 10244-2
zinc coating thickness	~13	µm	-
panel length tolerance	-0/+1	%	-
Ø zinc coated wire tolerance	±0,06	mm	UNI - EN 10218-2

(*) the values refer to the wire before construction of the mesh

Reflecting band,
3M coating film,
7 years warranty.
Color: red and white,
dimension 200x700 mm.



accessory features	cm	weight kg abt.
refletting band	20x70	-
door with hinge	200x116	12,0
reinforced concrete basement	70x19x14,5	30
reinforced concrete basement, high visibiity	65x23x12	26
reinforcing bracket	-	0,30
22 pcs. rack	350x115x20	65

The **Mobitec** panel is devoid of sharp edges.

CAVATORTA


2,5kg
CAVATORTA
CHIODI D'ACCIAIO TEMPRATO
HARDENED STEEL NAILS
POINTES EN ACIER TREMPÉ
STAHLNÄGEL
2,5kg
CAVATORTA
CAVATORTA
5kg
CAVATORTA
CHIODI · POINTES · NAILS · NÄGEL
5kg
CAVATORTA
5kg
CAVATORTA
QUALITY GUARANTEED
TECNO PROCESS
MADE IN ITALY
MADE IN ITALY

NAILS

UNMISTAKABLE QUALITY

RED BOX NAILS

Tips nails produced with low carbon steel (0.05-0.06%) in compliance with standards UNI 3614 and UNI-EN 10218-2. For use in the building, diy, industrial, agricultural and breeding sectors. **Red Box nails** by "Cavatorta" are sold in packages of 5 kg, packed in boxes of 4 packages on pallets holding 60 boxes each, for a comprehensive weight of 1200 kg, wrapped in recyclable polyethylene film.

flat head				convex head		headless	
8x20	13x35	18x70	22x180	10x25	19x90	5x15	10x35
9x25	13x40	18x80	23x140	13x30	20x100	6x20	11x35
10x20	14x40	19x90	23x150	14x40	21x120	7x16	12x30
10x22	14x45	20x100	23x160	15x50	22x150	7x20	12x40
10x25	15x50	21x110	23x180	16x30	24x200	7x25	13x40
10x30	16x55	21x120	24x160	16x60		8x20	13x50
12x20	16x60	22x125	24x180	17x70		8x25	14x50
12x25	17x55	22x130	24x200	18x30		8x30	14x60
12x30	17x60	22x140		18x40		9x30	15x60
12x40	17x70	22x150		18x50		10x22	16x70
13x30	18x60	22x160		18x80		10x30	

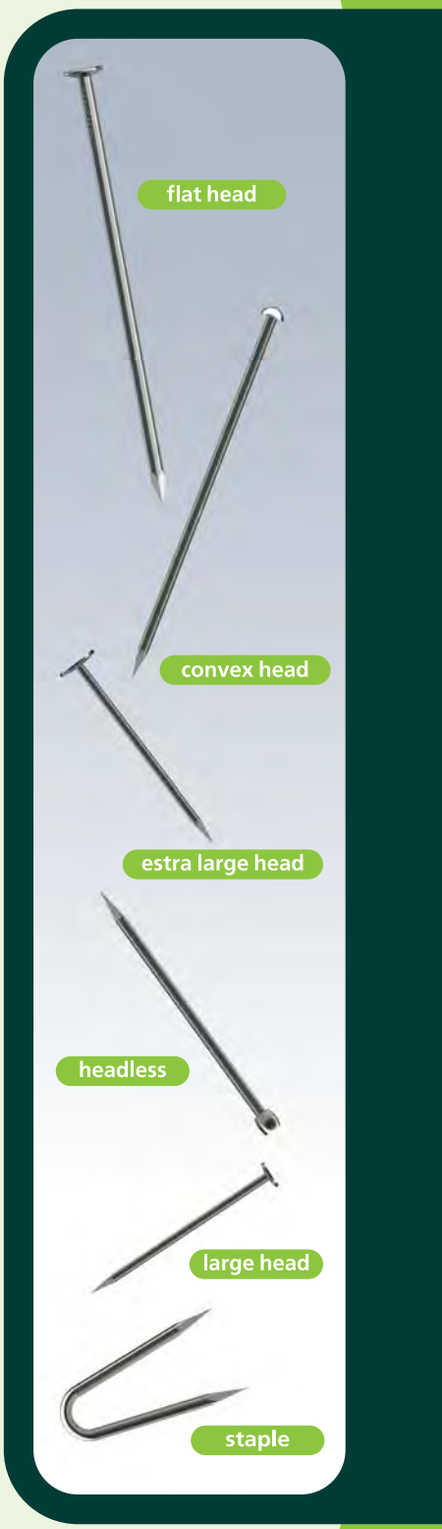
large head			extra large head		staple	
10x12	12x18	14x22	17x25	11x16	14x25	17x35
11x14	12x20	14x25	17x30	12x18	14x30	17x40
11x16	12x25	17x35	17x35	12x20	16x30	18x30
12x14	14x18	17x40		13x20	16x35	18x40
12x16	14x20			13x25	17x30	

BLUE BOX NAILS

Hardened nails produced with mid carbon content (average 0.65%) steel. Minimum hardness 55 Hrc. Mainly for use in the construction, industrial and diy sectors. The **Blue Box nails** by "Cavatorta" are sold in packages of 2.5 kg, packed in boxes of 10 packages on pallets holding 40 boxes each, for a comprehensive weight of 1000 kg, wrapped in recyclable polyethylene film.

convex head							
2,0x20	2,0x30	2,5x30	3,0x40	3,5x50	3,5x70	4,0x80	4,0x100
2,0x25	2,5x25	3,0x30	3,5x40	3,5x60	4,0x70	4,0x90	

Cavatorta nails have a shiny dry surface, and thanks to the exclusive **Tecno Process**, they also have a central perpendicular head in respect to the axis of the post, and a perfect point without any defects: all details that make a difference and make "Cavatorta" nails unique and unmistakable.



CAVATORTA


QUALITY GUARANTEED
TECNO PROCESS
MADE IN ITALY
MADE IN ITALY
2,5kg
CAVATORTA
CHIODI D'ACCIAIO TEMPRATO ZINCATI
GALVANIZED HARDENED NAILS
POINTES ACIER TREMPÉ ELECTRO-GALVANISÉ
VERZINKTE GEHÄRTETE NÄGEL
2,5kg
CAVATORTA
CAVATORTA
5kg
CAVATORTA
CHIODI ZINCATI · POINTES GALVANISÉES À CHAUD
GALVANIZED NAILS · PUNTAS GALVANIZADAS
5kg
5kg
CAVATORTA
CAVATORTA

ZINC COATED NAILS

THE UPPER QUALITY NAILS

SILVER BOX NAILS

Hardened nails produced with mid carbon content (average 0.65%) electrolytic zinc coated steel. Minimum hardness 55 Hrc. Perfectly circular convex head, concentric and perpendicular in respect to the axis of the post. Perfect point without any defects. Mainly for use in the construction, industrial and diy sectors. The **Silver Box nails** by "Cavatorta" are sold in packages of 2.5 guaranteed kg, packed in boxes of 10 packages on pallets holding 40 boxes each, for a comprehensive weight of 1000 kg, wrapped in recyclable polyethylene film.

convex head	
3,5x50	3,5x60

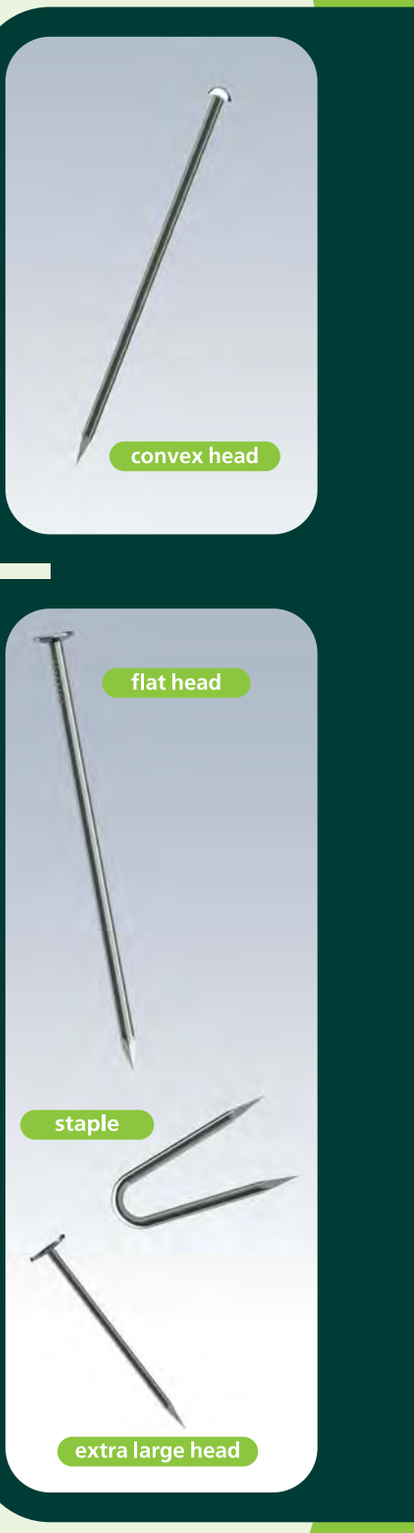
Accurate and elegant electrolytic zinc coating enhances the performance of the nail's technical design, and does not alter the hardness factor of the steel, ensuring brilliant coating and uniform thickness. The package of 2.5 guaranteed kg is free of any production waste, with special attention given to the graphic design and the printing materials.

GREY BOX NAILS

Hot-dip galvanized zinc coated tips, produced with low carbon steel (0.05-0.06%) in compliance with standards UNI 3614 and UNI-EN 10218-2. For use in the construction, craft, industrial, agricultural and zoological sectors. **Gray Box nails** by "Cavatorta" are produced and sold in 5 kg packages in four box cartons on pallets with 60 packages each, weighing comprehensively 1200 kg, and wrapped in recyclable polyethylene film.

flat head
13x30
14x40
15x50
16x60
17x70
18x80
18x100
20x100
21x120
extra large head
17x30
17x35
17x40
staple
17x30

Like all **Cavatorta** nails, the new **Silver Box** and **Gray Box nails** have a shiny, dry surface, and thanks to the exclusive **Tecno Process**, they also have a central perpendicular head in respect to their axis, and a perfect point without any defects: all details that make a difference and render "Cavatorta" nails unique and unmistakable.



CAVATORTA


MADE IN ITALY
MADE IN ITALY

GALVANIZED WIRE

THE HIGH QUALITY WIRE

Galvanized steel wire supplied in calibrated coils of selected weight. Mainly for use in the agricultural, construction, and industrial sectors. Upon request, wires for industrial use in pattern laid coils. **Galvanized wire** is sold in bound coils protected by a recyclable polyethylene film.

ø wire mm	ø wire JDP	coil kg each	L m each	L/kg m	coil kg each	zinc coating thickness µm	tolerance* ø wire ± mm
0,60	1	-	-	454	-	~4	0,025
0,70	2	-	-	333	-	~4	0,025
0,80	3	-	-	256	-	~6	0,025
0,90	4	-	-	200	-	~6	0,030
1,00	5	-	-	161	-	~6	0,030
1,10	6	-	-	133	-	~6	0,030
1,20	7	-	-	112	-	~6	0,030
1,30	8	-	-	96	-	~7	0,035
1,40	9	-	-	83	-	~7	0,035
1,50	10	-	-	72	-	~8,5	0,035
1,60	11	-	-	63	-	~8,5	0,035
1,80	12	25	1250	50	500	~8,5	0,040
2,00	13	25	1000	40	500	~10	0,040
2,20	14	25/50	825/1650	33	500	~10	0,045
2,40	15	25/50	700/1400	28	500	~10	0,045
2,70	16	25/50	550/1100	22	500	~13	0,045
3,00	17	25/50	450/900	18	500	~14	0,050
3,50	18	40/50	520/650	13	600/500	~15,5	0,060
4,00	19	40/50	400/500	10	600/500	~17	0,060
4,50	20	40/50	320/400	8	600/500	~18	0,060
5,00	21	40/50	260/325	6,5	600/500	~18	0,070
5,50	22	40/50	212/265	5,3	600/500	~20	0,070
6,00	23	50	225	4,5	500	~20	0,070
6,50	24	50	190	3,8	500	~20	0,070
7,00	25	50	165	3,3	500	~20	0,080
7,50	26	50	145	2,9	500	~20	0,080

(*) UNI-EN 10218-2

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2

Taking advantage of the experience gained in over forty years of business, Cavatorta designs and creates numerous types of **Galvanized wires** depending on the final use. Wires with low, mid and high carbon content obtained from different types of high quality wire rods are produced in accordance with the highest quality standards.

CAVATORTA

QUALITY GUARANTEED
GALVAFORT PROCESS
MADE IN ITALY
MADE IN ITALY

GALVAFORT

VINEYARD WIRE

Heavily galvanized steel wire supplied in both standard or pattern laid coils of selected weight. The zinc coating is obtained through the exclusive **"Galvafort Process"** created by Cavatorta. Mainly for use in the agricultural and industrial sectors. Galvafort wire is sold in bound coils packages protected by a recyclable polyethylene film.

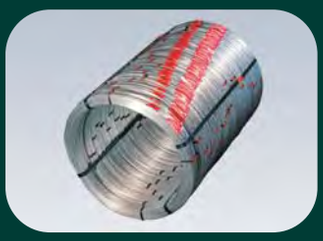
ø wire mm	ø wire JDP	coil kg each	L m each	L/kg m	coil n°	coil kg each
1,80	12	25	1250	50	20	500
2,00	13	25	1000	40	20	500
2,20	14	25/50	825/1650	33	20/10	500
2,40	15	25/50	700/1400	28	20/10	500
2,70	16	25/50	550/1100	22	20/10	500
3,00	17	25/50	450/900	18	20/10	500
3,50	18	40/50	520/650	13	15/10	600/500
4,00	19	40/50	400/500	10	15/10	600/500
4,50	20	40/50	320/400	8	15/10	600/500
5,00	21	40/50	260/325	6,5	15/10	600/500
5,50	22	40/50	212/265	5,3	15/10	600/500

ø wire mm	ø wire JDP	zinc weight g/m²	coating thickness zinc µm	zinc percentage in the coil % p/p	tolerance* ± mm
1,80	12	230	~32	~6,64	0,05
2,00	13	240	~34	~6,23	0,05
2,20	14	240	~34	~5,67	0,06
2,40	15	260	~36	~5,63	0,06
2,70	16	260	~36	~5,00	0,06
3,00	17	275	~39	~4,76	0,07
3,50	18	280	~39	~4,16	0,07
4,00	19	290	~41	~3,77	0,07
4,50	20	290	~41	~3,35	0,08
5,00	21	290	~41	~3,01	0,08
5,50	22	290	~41	~2,74	0,09

(*) UNI-EN 10218-2

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2

Galvafort zinc coating is far superior to the minimum thickness required by European standards. The coat is clean, homogeneous and uniform, and constitutes a double barrier, both physical and electrochemical, against oxidation. A second important characteristic of zinc coating obtained through Galvafort Process is that it does not flake when subjected to bending tests prescribed by product standards.



Galvafort Process Guarantee
Wire produced using the **Galvafort Process** complies fully with current European regulations has a thick, perfectly formed, zinc galvanized coat. According to tests performed at the Polytechnic Institute of Milan, such wire is able to resist normal climatic stress in rural environments for a minimum of **20 years**.

CAVATORTA


MADE IN ITALY
MADE IN ITALY
QUALITY GUARANTEED
GALVATEC PROCESS

ZN-AL ALLOY
COATED

GALVATEC

THE INNOVATIVE SOLUTION FOR VINEYARDS AND FRUIT ORCHARDS

High carbon content steel wire, with coating in zinc (95%) and aluminum (5%) alloy. **Galvatec** wire effectively addresses the needs of modern vineyards and fruit orchards, as it is subject to less than 10% elongation, maintaining its mechanical characteristics unaltered for the entire lifespan of the vineyard, even more than 30 years, drastically reducing required maintenance. **Galvatec** is sold in bound coils packages protected by a recyclable polyethylene film.

ø mm	ø JDP	coil kg each	L m each	L/kg m	resistance total kg each	weight* Zn-Al g/m² min	thickness coating µm each	tolerance ø * wire** ± mm
1,60	11	25	1575	63	154	200	31	0,045
1,80	12	25	1250	50	194	220	34	0,050
2,00	13	25	1000	40	240	230	35	0,050
2,20	14	25	825	33	290	240	37	0,060
2,40	15	25	700	28	346	250	38	0,060
2,70	16	25	550	22	437	260	39	0,060
3,00	17	25	450	18	540	265	40	0,070
3,50	18	40	520	13	735	275	42	0,070
4,00	19	40	400	10	960	285	43	0,070
4,50	20	40	320	8	1215	290	44	0,080
5,00	21	40	260	6,5	1500	300	46	0,080

(*) UNI-EN 10244-2 (**) UNI-EN 10218-2

GALVATEC T100

Galvatec T100 is the evolution of Galvatec wire, and presents a series of additional advantages, including, for example, lower elongation (max 5%), an higher tensile strength and more resistance to stress. **Galvatec T100** is the most effective of the alternatives to stainless steel wire, as it also boasts an excellent price/quality relationship. **Galvatec T100 wire** is in bound coils packages protected by a recyclable polyethylene film.

ø mm	ø JDP	coil kg ca.	L m each	L/kg m	resistance total kg each	weight* Zn-Al g/m² min	thickness coating µm each	tolerance ø wire** ± mm
1,60	11	25	1575	63	260	200	31	0,045
1,80	12	25	1250	50	330	220	34	0,050
2,00	13	25	1000	40	380	230	35	0,050
2,20	14	25	825	33	460	240	37	0,060
2,40	15	25	700	28	590	250	38	0,060
2,70	16	25	550	22	714	260	39	0,060
3,00	17	25	450	18	848	265	40	0,070
3,50	18	40	520	13	1165	275	42	0,070
4,00	19	40	400	10	1570	285	43	0,070

(*) UNI-EN 10244-2 (**) UNI-EN 10218-2

general characteristics	value galvatec	value galvatec T100	unit of measurement	ref. standards
maximum elongation	10%	5%	-	-
single wires maximum tensile strength	65/85	95/130	kg/mm²	-
zinc-aluminum adherance	1 (excellent)	1 (excellent)	-	UNI-EN 10244-2
zinc percentage in coating	~95	~95	% p/p	-
aluminum percentage in coating	~5	~5	% p/p	-

Galvatec Process
Used above all for the production of wires with reduced elongation, **Galvatec Process** gives the final product excellent resistance to corrosion and special cathodic protection against possible cuts and scrapes, thanks to the wire coating in a zinc (95%) and aluminum (5%) alloy.

CAVATORTA


MADE IN ITALY
MADE IN ITALY
10 YEARS GUARANTEED
GALVAPLAX PROCESS

GALVAPLAX

WIRE FOR FRUIT ORCHARDS

Green pvc coated wire on galvanized core. Plastic coating is obtained through the exclusive process **"Galvaplax Process"** created by Cavatorta. **Galvaplax** is sold in bound coils packages protected by a recyclable polyethylene film. Upon request, **Galvaplax** is available in industrial size coils on spools.

ø zinc coating mm	ø plastic coating mm	coil kg each	L m each	L/kg m	coil n°	coil kg each
1,50	1,80	20	1356	67,80	15	300
1,80	2,20	25	1157	46,30	15	375
2,00	2,40	25	992	39,70	15	375
2,20	2,60	30	927	30,90	17	510
2,40	2,90	30	764	25,50	17	510
2,70	3,20	40	821	20,50	13	520
3,00	3,60	40	683	17,10	13	520
3,50	4,20	40	504	12,60	8	320
4,00	4,70	40	388	9,70	8	320

ø plastic coating mm	tolerance* plastic coated ± mm	PVC thickness mm	ø zinc coating mm	tolerance* zinc coated wire ± mm	thickness zinc coating µm
1,80	0,10	~0,15	1,50	0,035	~8,50
2,20	0,15	~0,20	1,80	0,040	~8,50
2,40	0,15	~0,20	2,00	0,040	~10,00
2,60	0,15	~0,20	2,20	0,045	~10,00
2,90	0,15	~0,25	2,40	0,045	~10,00
3,20	0,20	~0,25	2,70	0,045	~13,00
3,60	0,20	~0,30	3,00	0,050	~14,00
4,20	0,20	~0,35	3,50	0,060	~15,50
4,70	0,20	~0,35	4,00	0,060	~17,00

(*) UNI EN 10218-2

general characteristics	value	unit of measurement	ref. standards
single wires maximum tensile strength	450-550	N/mm²	-
zinc coating type	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	-	UNI-EN 10244-2
plastic coating process	sintering	-	UNI-EN 10245-2
color	alpine green color	-	-

The specific mechanical and structural characteristics of the wire make **Galvaplax** particularly suitable for applications both in the agricultural sector (for example, fruit orchards), as well as for industrial applications where high environmental acidity accentuates the speed of steel corrosion, which must be effectively prevented.

Galvaplax Process Guarantee

The **Galvaplax Process** is a method of coating steel which gives optimum durability and strength, and is exclusive to Cavatorta. Galvanized steel wires are immersed into a special primer which is fundamental in ensuring perfect adherence of the resultant PVC layer. The PVC is applied in a fluidised bed smelting process and the final product has a clean, homogeneous covering over the whole surface. In normal conditions, wire produced using the **Galvaplax Process** is **guaranteed** to prevent corrosion for more than **10 years**.

CAVATORTA


maXtensor

PATENTED SYSTEM

MAX TENSOR®

ASSEMBLY SYSTEM FOR VINEYARDS AND ORCHARDS

The **Maxtensor®** system facilitates and speeds up the tensioning, stretching and joining metallic wires commonly used in the main types of vineyards (for example: row wire, arbors, etc.) and fruit orchards (kiwi, apple, pear, etc.): in fact, using the **Maxtensor®** system allows for savings of up to 70% in the time necessary for traditional assembly systems. The system includes the MX1 tensioner, the tensioners/connectors MX2 and MXL2, and finally the MX pliers.

MAX TENSOR MX1

The **MX1** tensioner provides secure anchoring of metallic wires and cables to the tensioning posts. It is composed of a high quality metallic alloy body, a blocking roller in a highly resistant, hard metallic alloy and a stainless steel spring. **MX1** ensures excellent performance, even in particularly severe weather conditions. When subjected to tension tests, MX1 demonstrated a maximum breaking load superior to that of the wire it is solidly anchored to. In addition, after the testing it continues to function perfectly and is reusable. It is extremely easy to install. Tensioning is executed with the MX pliers.

MXS2 / MX2 / MXL2

Models **MX2S**, **MX2** and **MXL2** are used to join and tension metal wires and cables on line. This system eliminates condensation and reduces the risk of corrosion near the joints. The three models differ in weight, size and tensile strength. Use the **MX** pliers for installation.

MAX TENSOR MX

These are the pliers designed to install Maxtensor® tensioners. They are made from metals which are specifically chosen to produce pliers which are light (1.2 kg) and easy to handle but extremely strong.

	dim. mm.	pieces box n°	gr. each	ø wire	maximum tensile strength kg
MX1	25x30	300	25	1,8>3,0	400
MXS2	22x25	300	20	1,3>2,2	250
MX2	19x38	250	25	2,0>3,0	400
MXL2	25x51	150	54	2,7>4,0	600
MX	92x13	1	1200	-	-

CAVATORTA


RICCIO
FILO SPINATO AD ALTA RESISTENZA
500m
RICCIO
PLASTICATO
250m
Cavatorta
RICCIO
FILO SPINATO AD ALTA RESISTENZA
250m
100m
QUALITY GUARANTEED
GALVAFORT PROCESS
10 YEARS GUARANTEED
GALVAPLAX PROCESS
QUALITY GUARANTEED
GALVATEC PROCESS
MADE IN ITALY
MADE IN ITALY

RICCIO

HIGH TENSILE BARBED WIRE

High tensile barbed wire with double stranded line wires in zinc coated steel. Intertwined around this are the barbs also in zinc coated steel produced using Cavatorta's exclusive **"Galvafort Process"**. For use in agricultural and breeding sectors. Riccio barbed wire is sold in rolls of 100, 250 and 500 m, in accident prevention packages with carry handles (green packaging).

ø wire mm	ø barbs mm	L m	barbs spacing cm	roll kg each	L/kg m	roll/pallet n°	pallet kg each
1,70	1,50	100	10	5,0	20	96	492
1,70	1,50	250	10	12,5	20	64	812
1,70	1,50	500	10	25,0	20	36	912

RICCIO PVC

High tensile barbed wire with double stranded line wires in zinc coated steel, plastic coated using the sintering process. The barbs have the same coating and are twisted around the line wires. Plastic coating is obtained through the exclusive sintering process **"Galvaplax Process"** created by Cavatorta. Mainly for use in fencing for residential and agricultural areas. **Riccio PVC** barbed wire is sold in rolls of 100 and 250m , in accident prevention packages with carry handles (orange packaging).

ø support wire zinc mm	ø support wire plastic mm	ø barb zinc mm	ø barb plast. mm	L m	barb spacing cm	roll kg each	L/kg m	roll/pallet n°	pallet kg each
1,70	2,10	1,50	1,80	100	10	5,5	18,2	96	540
1,70	2,10	1,50	1,80	250	10	13,7	18,2	64	889

general characteristics	value		unit of measurement	ref. standards
	riccio	riccio PVC		
maximum single support wire tensile strength	1000-1200*	600-800*	N/mm²	-
zinc coating type	hot dip	hot dip	-	UNI-EN 10244-2
zinc purity grade (SHG)	~99,995%	~99,995%	-	UNI-EN 1179
zinc adherence	1 (excellent)	1 (excellent)	-	UNI-EN 10244-2
support wire zinc coating thickness	~29	~8,5	µm	-
tips zinc coating thickness	~28	~8,5	µm	-
support wire PVC thickness	-	~0,20	mm	UNI-EN 10218-2
tips PVC thickness	-	~0,15	mm	UNI-EN 10218-2
plastic coating process	-	sintering	-	UNI-EN 10245-2
colour	-	bright alpine green	-	-
ø zinc coated support wire tolerance	±0,05	±0,04	mm	UNI-EN 10218-2
ø plastic coated support wire tolerance	-	±0,10	mm	UNI-EN 10218-2
ø zinc coated barbs tolerance	±0,045	±0,035	mm	UNI-EN 10218-2
ø plastic coated barbs tolerance	-	±0,10	mm	UNI-EN 10218-2

(*) the values refer to the wire before twisting

CAVATORTA

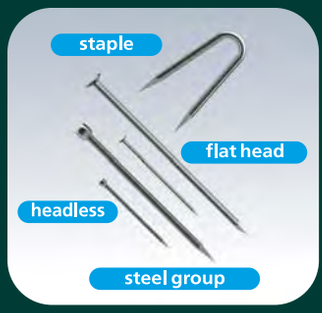

QUALITY GUARANTEED
TECNO PROCESS
MADE IN ITALY
MADE IN ITALY
CAVATORTA
MADE IN ITALY
E
CHIODI CAMBRETTA
Crampillons
Grampillones
Staples
FERRO LUCIDO
Acier poli
Acero pulido
Bright steel
1,8x20 mm
1 Kg
REF. BC12201KB
Cod. 8610864642
CAVATORTA
D
1,5x30 mm
500 g
CAVATORTA
B
250 gr
2,7x30 mm
CAVATORTA
A
125 gr
2,2x25 mm

NAILS

THE DO IT YOURSELF NAILS

Nails produced with low (0.05%-0.06%) and mid (average 0.65%) carbon content.
For use in professional and diy sectors.
The "Cavatorta" **Bricoline Nails** are sold in practical resealable boxes made from recycled plastic and are available in the following sizes: **125 gr** in boxes of 64 pieces; **250 gr** in boxes of 40 pieces; **500 gr** in boxes of 16 pieces; **1 kg** in boxes of 12 pieces.

	type and size mm	kg 1	gr 500	gr 250	gr 125
flat head	1,0x15			•	•
	1,3x20			•	•
	1,5x25	•	•	•	•
	2,0x30	•	•	•	•
	2,2x40	•	•	•	•
	2,4x50	•	•	•	•
	2,7x60	•	•	•	•
	3,0x70	•	•	•	
	3,5x80	•	•	•	
	4,5x100	•	•		
headless	1,0x15			•	•
	1,1x20			•	•
	1,3x25	•	•	•	•
	1,5x30	•	•	•	•
	1,8x40	•	•	•	•
	2,2x50	•	•	•	
staple	1,8x20	•	•	•	•
	2,2x25	•	•	•	•
	2,7x30	•	•	•	•
headless hardened	1,2x16	•			
	1,2x20	•			
	1,2x25	•			
	1,2x30	•			
	1,5x25	•			
	1,5x30	•			
	1,5x35	•			
	1,5x40	•			
zinc coated steel convex head	3,5x50			•	

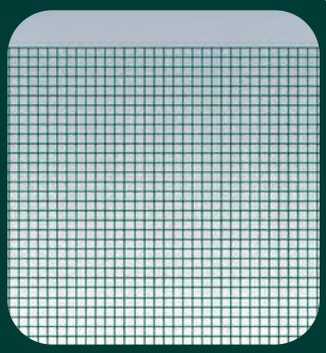


Nail counter exhibition kit
- complete range of **bricoline nails**
- floor stands with rotating wheels and hooks
- compact dimensions: 75x 45x178 cm

Nail counter exhibition kit
- assorted range of **bricoline nails**
- counter display
- compact dimensions: 50x37x57 cm

As with all "Cavatorta" nails, **Bricoline Nails** have a shiny, clean surface and, thanks to the exclusive **Tecno Process**, they also have a perfect point, free of any defects. The superb quality of these nails makes them ideal for construction purposes, especially for small jobs that require particular care and attention (installation of floor moulding, bevelled edges, etc).
They are supplied in plastic, resealable containers suitable for reuse.

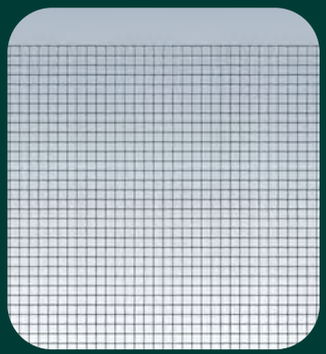
CAVATORTA



ESAPLAX
BRICOLINE 5 m

Electro-welded zinc and plastic coated square mesh produced using a sintering process. Bright alpine green color. **Esaplax Bricoline** fencing mesh is sold **in rolls of 5 m** on pallets, wrapped in recyclable polyethylene film.

H cm	mesh size mm	roll kg each	roll/pallet n°	pallet kg each	ø galvanized core mm	ø pvc wire mm
51	12,7x12,7	1,9	60	124	0,70	1,10
100	12,7x12,7	3,7	60	232	0,70	1,10



ESAFORT
BRICOLINE 5 m

The fencing is made up of electro-welded wire, with square shaped mesh galvanized after welding by mean of the exclusive Galvafort Process. **Esafort Bricoline** fencing mesh is sold in **rolls of 5 m** on pallets, wrapped in recyclable polyethylene film.

H cm	mesh size mm	roll kg each	roll/pallet n°	pallet kg each	ø wire mm
51	12,7x12,7	2,8	60	178	1,05
100	12,7x12,7	5,5	60	340	1,05
51	19x19	1,9	60	124	1,05
101	19x19	3,7	60	232	1,05

TREFORT
10 m

Hexagonal netting, galvanized after weaving. **Trefort Bricoline** fencing mesh is sold in **rolls of 10 m** on pallets, wrapped in recyclable polyethylene film.

mesh size mm	ø wire mm	H cm	roll kg each	roll/pallet n°	pallet kg each
13,0	0,7	50	2,8	60	178
13,0	0,7	100	5,4	60	334
25,0	0,8	50	1,8	60	118
25,0	0,8	100	3,7	60	232

NOVAPLAX
10 m PATENTED MODEL

Fencing made from electro-welded plastic coated steel wire with differentiated meshes. Bright alpine green color. **Novaplax Bricoline** fencing mesh is sold in rolls of 10 m on pallets with **24 rolls** each, wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm	ø pvc wire mm
61	4,4	0,73	106	1,80	2,20
81	5,8	0,72	139	1,80	2,20
102	7	0,70	168	1,80	2,20
122	8,2	0,68	197	1,80	2,20
153	10	0,67	240	1,80	2,20

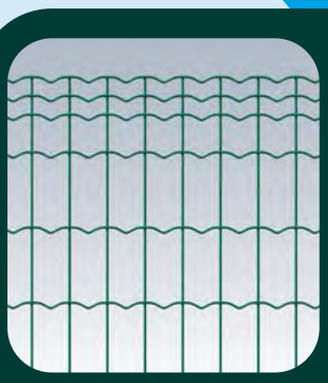
DIY LINE

FOR DO IT YOURSELF PROJECTS

EVERPLAX 10 m PATENTED MODEL

Electro-welded zinc and plastic coated steel mesh, made using a sintering process, with triple selvedge. Shaped horizontal wires. Bright alpine green color. **Everplax Bricoline** fencing mesh is sold in **rolls of 10 m** on pallets with **20 rolls** each, wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm	ø pvc wire mm
102	9,6	0,93	203	2,00	2,50
122	11,2	0,92	235	2,00	2,50



BINDING WIRES BRICOLINE

Zinc coated steel wires and plastic coated steel wires in plastic spools.

description	ø galvanized wire mm	ø pvc wire mm	spool m	spool/box n°	box kg each
zinc coated wire	1,1	-	50	24	10
zinc coated wire	1,3	-	50	24	12,5
green plastic coated wire	0,8	1,2	50	24	6
green plastic coated wire	1,0	1,5	40	24	6,5

ARCOPLAX 10 m

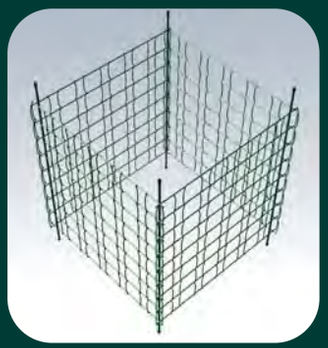
Plastic coated ornamental fencing in zinc and plastic coated steel wire plastified through an extrusion process, with arch shaped borders on the upper part. Bright alpine green color. **Arcoplax Bricoline** fencing mesh is sold in rolls of 10 m on pallets with **32 rolls** each, wrapped in protective recyclable polyethylene film.

H cm	roll kg each	kg/m²	pallet kg each	ø galvanized core mm vert.	ø galvanized core mm horiz.	ø pvc wire mm vert.	ø pvc wire mm horiz.
40	3,6	0,90	127	2,10	1,60	3,20	2,20
65	5,2	0,80	178	2,10	1,60	3,20	2,20

DECOBOX

Container for domestic composting in electro-welded zinc and plastic coated steel mesh through a sintering process, with octagonal shaped mesh. Bright alpine green color.

size cm	ø galvanized core mm vert.	ø galvanized core mm horiz.	ø pvc wire mm vert.	ø pvc wire mm horiz.	pieces/ pallet n°
80x80x80	2,20	2,00	2,60	2,40	25



CAVATORTA


MADE IN ITALY
MADE IN ITALY

GATES

FOR COMPLETING THE FENCING

PEDESTRIAN GATES

Pedestrian steel gates green plastic coated (RAL 6005), perimeter frame and support posts, both in square steel box section, panels from electro-welded steel mesh and locking system steel components. The support posts have adjustable hinges and are finished on the tops with plastic caps. The whole product is phosphated and polyester plastic coated.

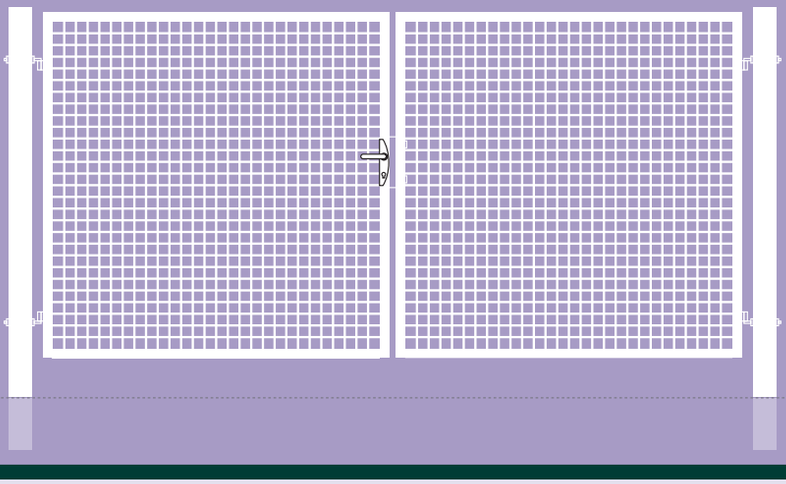
H cm	L cm	gate kg each	mesh size mm	ø pvc wire mm	gate frame profile size mm	support posts profile size mm
100	100	20	100,0x50,0	4,00	40,0x40,0	50,0x50,0
125	100	25	100,0x50,0	4,00	40,0x40,0	50,0x50,0
150	100	29	100,0x50,0	4,00	40,0x40,0	50,0x50,0
175	100	35	100,0x50,0	4,00	40,0x40,0	60,0x60,0
200	100	37,5	100,0x50,0	4,00	40,0x40,0	60,0x60,0

DRIVEWAY GATES

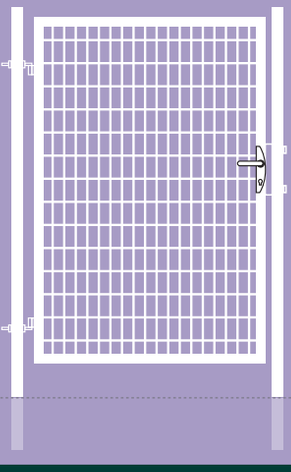
Double driveway gates have frames and support posts made of square steel box section, panels of electro-welded steel mesh in squares and locking system steel components. The product is also phosphated and polyester plastic coated and is ideal for completing any type of fencing.

H cm	L cm	gate kg each	mesh size mm	ø pvc wire mm	gate frame profile size mm	support posts profile size mm
100	300	49	50,0x50,0	4,00	40,0x40,0	100,0x100,0
125	300	56	50,0x50,0	4,00	40,0x40,0	100,0x100,0
150	300	65	50,0x50,0	4,00	40,0x40,0	100,0x100,0
175	300	74	50,0x50,0	4,00	40,0x40,0	100,0x100,0
200	300	98	50,0x50,0	4,00	40,0x40,0	100,0x100,0
150	400	79	50,0x50,0	4,00	40,0x40,0	100,0x100,0

H150 DRIVEWAY GATE



H150 PEDESTRIAN GATE



Cavatorta gates are fitted with double handles, reversible key locks and support posts. The compact packaging facilitates transport and storage.

CAVATORTA

10 YEARS GUARANTEED
GALVAPLAX PROCESS

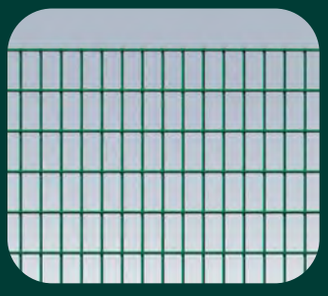
QUALITY GUARANTEED
GALVAFORT PROCESS

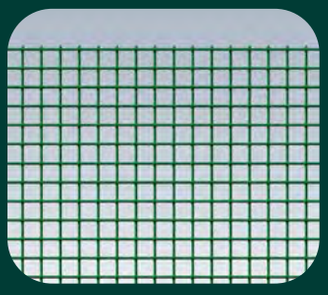
MADE IN ITALY
MADE IN ITALY

FURMESH™

SPECIAL ELECTRO-WELDED WIRE MESH FOR "FUR BREEDERS"

Cavatorta's **high-tensile steel wire** provides strength, durability and structural integrity to welded wire mesh traps, cages and structures. This heavy duty wire mesh is produced from proven and specialized materials. It will have a longer life and is the most cost effective solution for harsh breeding applications. Cavatorta's Galvafort(™) **heavy zinc coating**, is applied using a proprietary double hot-dipped galvanizing process, which supports long-term corrosion resistance.
A **special thermo set primer** is applied over the heavy zinc coating. This prevents water intrusion between the PVC coating and the galvanized wire and helps to preserve the wire in cases where the PVC may become damaged.
Cavatorta's FURMESH(™) has an outstanding PVC coating that is especially formulated for fur breeders and farmers. Furmesh(™) PVC is extremely flexible, cold crack and impact resistant at low temperatures. This special duty coating is able to withstand continuous immersion in chemicals and even in salt water environments.
Applications for this product include: Fox, mink, raccoon, cinchilla and all animal cages.





FURFORT™(HDG)

mesh size mm	H cm	ø galvanized wire (HDG) mm	roll length m	roll kg each	roll/pallet n°	pallet kg each
25,4x25,4	40	1,80	30,48	19,4	9	185
25,4x25,4	50	1,80	30,48	24,2	9	228
25,4x25,4	60	1,80	30,48	34,5	9	321
25,4x25,4	70	1,80	30,48	40,2	9	372
25,4x25,4	80	1,80	30,48	46,0	9	425
25,4x12,7	40	1,50	30,48	20,4	9	194
25,4x12,7	50	1,50	30,48	25,5	9	5240
25,4x12,7	60	1,50	30,48	33,7	9	314
25,4x12,7	70	1,50	30,48	39,3	9	365
25,4x12,7	80	1,50	30,48	40,8	9	378

FURPLAX™

mesh size mm	H cm	ø galvanized core mm	ø pvc wire mm	roll length m	roll kg each	roll/pallet n°	pallet kg each
25,4x25,4	40	1,80	2,20	30,48	20,5	18	380
25,4x25,4	50	1,80	2,20	30,48	26,6	12	330
25,4x25,4	60	1,80	2,20	30,48	30,7	12	379
25,4x25,4	70	1,80	2,20	30,48	36,0	6/12	227/443
25,4x25,4	70	1,80	2,20	38,00	44,9	6	280
25,4x25,4	80	1,80	2,20	38,00	51,3	6	319

FURPLAX™ HP (HDG+PVC)

mesh size mm	H cm	wire ø galv. core (HDG) mm	wire ø pvc wire mm	roll length m	roll kg each	roll/pallet n°	pallet kg each
50,8x25,4	106,7	3,00	3,50	31,37	126,0	6	767
25,4x25,4	33	2,51	3,00	30,48	35,0	18	641
25,4x25,4	35,6	2,51	3,00	30,48	38,0	12/18	467/695
25,4x25,4	71,1	2,00	2,50	30,48	48,0	6/12	299/587
25,4x25,4	45,7	1,80	2,20	30,48	25,5	18	470

CAVATORTA

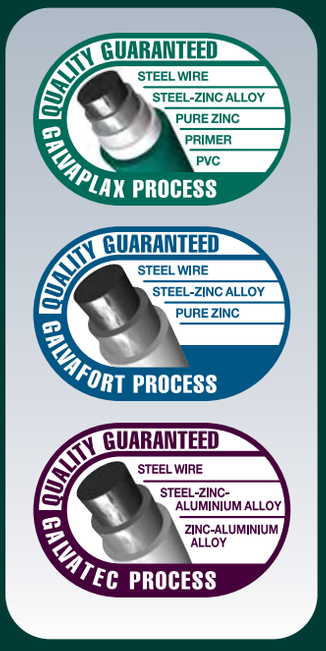
10 YEARS GUARANTEED
GALVAPLAX PROCESS
QUALITY GUARANTEED
GALVAFORT PROCESS
QUALITY GUARANTEED
GALVATEC PROCESS
MADE IN ITALY
MADE IN ITALY

GABION BASKET

FOR LANDSCAPE AND COASTLINE PROTECTION

GABION BASKET ESAFORT

mesh size inch	H inch	wire ø galvanized inch	AWG	roll length ft	roll weight lb abt.
3X3	39	0,10	12	164	128
3X3	60	0,10	12	164	196
3X3	81	0,10	12	164	264
3X3	39	0,12	11	84	77
3X3	60	0,12	11	84	119
3X3	81	0,12	11	84	167
3X3	39	0,15	9	108	167
3X3	60	0,15	9	108	257
3X3	81	0,15	9	108	348
3X3	18	0,12	11	300	135
3X3	36	0,12	11	300	269
3X3	54	0,12	11	150	201
3X3	72	0,12	11	150	266



GABION BASKET PANELS

mesh size inch	panel size inch	wire ø ga	roll length lb.
3X3	87"x60"	5.0	32
3X3	87"x30"	5.0	16
3X3	87"x84"	5.0	44
3X3	87"x42"	5.0	22,5
3X3	87"x60"	4.0	9
3X3	87"x39"	4.0	6
3X3	87"x24"	4.0	2,5
3X3	87"x42"	4.0	9
3X3	87"x21"	4.0	4,6

General description: Gabions are modular building blocks formed of wire mesh and filled on site with rock, stone or crushed concrete. They are filled on the premises, often with locally available material and are an effective and relatively inexpensive capital cost. Because they are flexible and porous they can absorb some wave and wind energy, consequently reducing the erosion problems associated with impermeable sea defences such as concrete seawalls. Gabions can be placed as sloping "mattresses" or as near vertical cubic baskets. The latter are intended for bank or clif stabilization.
Function: Steel-welded gabion baskets are very robust wire mesh rock-filled baskets primarily used as retaining walls. Their characteristic rigidity makes these baskets particularly suitable for high and freestanding structures. They are used in many situations including stabilization of earth movement and erosion, river control, water basin, canal refurbishment, landscaping and retaining walls. They can be manufactured in welded mesh or woven wire. Welded mesh gabions are faster and do not need tensioning. This allows them to keep thair shape, to be free from bulges and depressions and fit easily against the wall. It is possible to cut holes in them if needed to pass pipes or whatever through and they can be machine filled.

OTHER SIZES AND FINISHING UPON REQUEST

CAVATORTA

QUALITY GUARANTEED
GALVATEC PROCESS
MADE IN ITALY
MADE IN ITALY

HEAVY SECURITY FENCING

HIGH SECURITY MESH

Cavatorta's **Heavy Security Fencing** is a HIGH SECURITY WELDED MESH FENCING manufactured using 4.00 mm. (8 ga.) **GALVATEC®** wire (Alu-Zinc alloy) both for vertical and horizontal wires. Mesh size is 76.2 x 12.7 mm. (3 x 0.5 inches) and could be supplied **GALVATEC®** coated or powder PVC coated in several colours. Cavatorta's **Heavy Security Fencing** panels are manufactured to prevent any vandal attack, this thanks to the small mesh opening 76.2 x 12.7 mm. (3 x 0.5 inches) and strong wire diam. 4.00 mm. (8 ga.), which provides a security barrier against climbers, not allowing foot or hand holds. Wire cutters cannot be used as there is not enough space between the wires.

H mm	roll Kg each	kg/m² each	pallet Kg	ø zinc coating mm	cm
2010	2510	12,7x76,2	4,00	48	9,5
2410	2510	12,7x76,2	4,00	57,5	9,5
3000	2510	12,7x76,2	4,00	71,5	9,5
3670	2510	12,7x76,2	4,00	87,5	9,5
4000	2510	12,7x76,2	4,00	95,5	9,5
4690	2510	12,7x76,2	4,00	112	9,5
5320	2510	12,7x76,2	4,00	127	9,5
6010	2510	12,7X76,2	4,00	143	9,5

other sizes upon request

general characteristics	value	unit of measurement	ref. standards
wire tensile strength	540-615*	N/mm²	-
welding resistance point	378	N	ASTM. A 185-06
zinc/aluminium alloy adherence	1 (excellent)	-	UNI-EN 10244-2
panel tolerance length	-0/+1	%	-
zn-al weight (min)	285	g/m²	UNI-EN 10244-2
zinc/aluminium thickness coating	~43	µm	-
ø wire tolerance	±0,070	mm	UNI-EN 10218-2

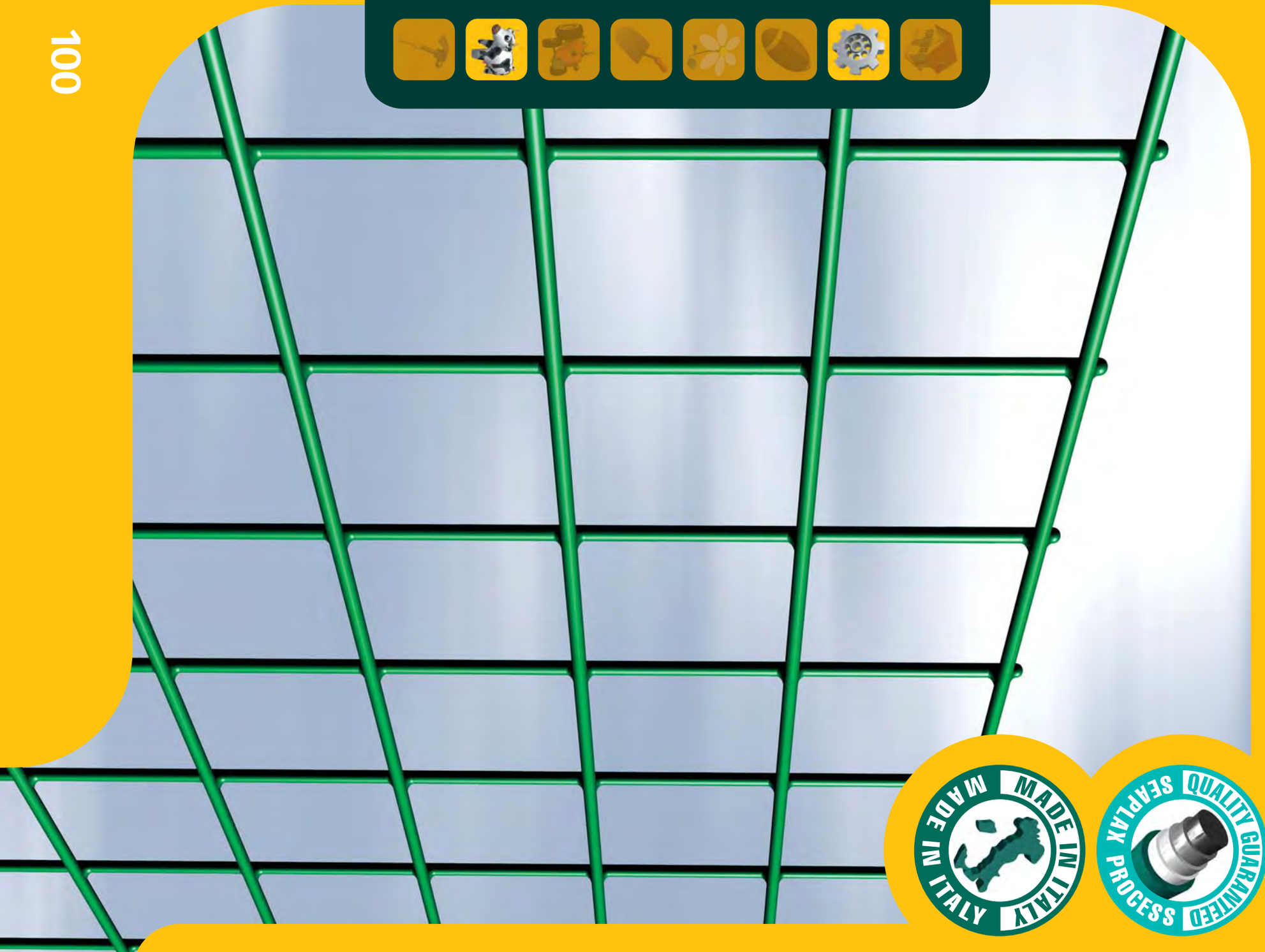
(*) values are referred to the wire before any operation

In order to give to the fence, the strongest characteristics, Cavatorta suggests to use the following accessories:

· steel square shape posts available with double crancked extension for razor wire (concertina);
· junction;
· steel security bolts and nuts;
· base plate.

Upon request, it is possible to produce mesh and wires different from the standard measurements.

CAVATORTA

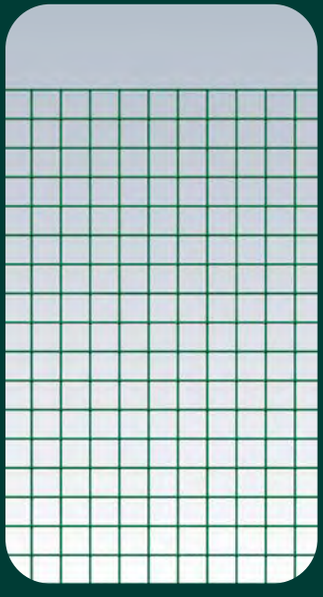

MADE IN ITALY
MADE IN ITALY
QUALITY GUARANTEED
SEAPLAX PROCESS

SEAPLAX™

WELDED WIRE MESH FOR MARINE APPLICATIONS

Welded wire mesh made from high tensile steel wire, which is galvanized after welding and then coated with PVC using Cavatorta's exclusive **"Seaplax Process"**. This product is made to the highest standards to meet the demands of various marine applications. These include lobster and crab pots, fish traps and aquaculture. **Seaplax** products are designed especially for use in submarine, harsh coastal or corrosive environments. **Seaplax PVC** is extremely flexible, cold crack and impact resistant at low temperatures. The marine duty coating is able to withstand continuous immersion in chemicals and salt water. **Seaplax** has superior abrasion resistance, retains its physical properties and colour during exposure to severe weather conditions and has excellent resistance to UV light.

mesh size inch	wire gauge ga	width inch	rollength ft.	weight x roll lbs.	finish
1.5"x1.5"	10.5	66"	100'	496	GAW+PVC
1.5"x1.5"	10.5	63"	100'	458	GAW+PVC
1.5"x1.5"	10.5	60"	100'	437	GAW+PVC
1.5"x1.5"	10.5	57"	100'	415	GAW+PVC
1.5"x1.5"	10.5	54"	100'	394	GAW+PVC
1.5"x1.5"	10.5	48"	100'	350	GAW+PVC
1.5"x1.5"	10.5	43,5"	100'	318	GAW+PVC
1.5"x1.5"	10.5	36"	100'	264	GAW+PVC
1.5"x1.5"	10.5	34,5"	100'	253	GAW+PVC
1.5"x1.5"	10.5	25,5"	100'	194	GAW+PVC
1.5"x1.5"	10.5	24"	100'	178	GAW+PVC
1.5"x1.5"	10.5	22,5"	100'	167	GAW+PVC
1.5"x1.5"	10.5	21"	100'	156	GAW+PVC
1.5"x1.5"	10.5	19,5"	100'	145	GAW+PVC
1.5"x1.5"	10.5	18"	100'	135	GAW+PVC
1.5"x1.5"	10.5	16,5"	100'	124	GAW+PVC
1.5"x1.5"	10.5	15"	100'	113	GAW+PVC
1.5"x1.5"	10.5	13,5"	100'	102	GAW+PVC
1.5"x1.5"	10.5	12"	100'	91	GAW+PVC
1.5"x1.5"	10.5	10,5"	100'	81	GAW+PVC
1.5"x1.5"	10.5	6"	100'	48	GAW+PVC
1.5"x1.5"	12.5	66"	100'	304	GAW+PVC
1.5"x1.5"	12.5	63"	100'	276	GAW+PVC
1.5"x1.5"	12.5	60"	100'	262	GAW+PVC
1.5"x1.5"	12.5	57"	100'	250	GAW+PVC
1.5"x1.5"	12.5	54"	100'	238	GAW+PVC
1.5"x1.5"	12.5	48"	100'	212	GAW+PVC
1.5"x1.5"	12.5	43,5"	100'	192	GAW+PVC
1.5"x1.5"	12.5	36"	100'	159	GAW+PVC
1.5"x1.5"	12.5	34,5"	100'	153	GAW+PVC
1.5"x1.5"	12.5	24"	100'	108	GAW+PVC
1.5"x1.5"	12.5	22,5"	100'	101	GAW+PVC
1.5"x1.5"	12.5	21"	100'	95	GAW+PVC
1.5"x1.5"	12.5	19,5"	100'	88	GAW+PVC
1.5"x1.5"	12.5	18"	100'	82	GAW+PVC
1.5"x1.5"	12.5	16,5"	100'	75	GAW+PVC
1.5"x1.5"	12.5	15"	100'	68	GAW+PVC
1.5"x1.5"	12.5	13,5"	100'	62	GAW+PVC
1.5"x1.5"	12.5	12"	100'	56	GAW+PVC
1.5"x1.5"	12.5	10,5"	100'	49	GAW+PVC
1.5"x1.5"	12.5	6"	100'	30	GAW+PVC



Other sizes available upon request.

CAVATORTA

ROUND PLASTIC COATED POSTS

Round plastic coated posts with PVC caps. Colour: Alpine green(*) - Charcoal(**)

height cm	section mm	n° pieces in package	kg each
120 (*)(**)	34x1,4	6	1,30
150 (*)(**)	34x1,4	6	1,70
175 (*)(**)	38x1,4	6	2,20
200 (*)(**)	38x1,4	6	2,50
230 (*)(**)	48x1,4	4	3,70
250 (*)	48x1,4	4	4,00
300 (*)	48x1,4	4	4,80

ROUND PLASTIC COATED STAYS WITH COLLARS

height cm	section mm	n° pieces in package	kg each
150	34x1,4	6	1,70
200	38x1,4	6	2,60
260	48x1,4	4	4,20

PLASTED COATED "T" POSTS

T-shaped plastic coated iron posts. L-shaped plastic coated stays. Colour: Alpine green.

height cm	section mm	n° pieces in package	kg each
100	30x30x3,5	50	1,50
125	30x30x3,5	50	1,90
150	30x30x3,5	50	2,30
175	30x30x3,5	50	2,70
200	35x35x4	50	4,10
225	35x35x4	50	4,60
250	35x35x4	50	51,0

PLASTIC COATED STRUTS

height cm	section mm	n° pieces in package	kg each
120	25x25x3	50	1,44
150	25x25x3	50	1,80
200	25x25x3	50	2,40

PLASTED COATED "C" POSTS

C-shaped plastic coated iron posts. C-shaped plastic coated iron stays. Colour: Alpine green.

height cm	section mm	n° pieces in package	kg each
100	30x40x30x2	50	1,4
125	30x40x30x2	50	1,75
150	30x40x30x2	50	2,1
175	30x40x30x2	50	2,45
200	30x40x30x2	50	2,8
225	30x40x30x2	50	3,15

PLASTIC COATED STRUTS

height cm	section mm	n° pieces in package	kg each
125	30x40x30x2	50	1,75
150	30x40x30x2	50	2,1
200	30x40x30x2	50	2,8

ACCESSORIES

FOR A PERFECT INSTALLATION

ROUND GALVANIZED POLES

Round galvanized poles for fences, with galvanized metal cap.

height cm	section mm	n° pieces in package	kg each
150	48x1,4	5	1,70
175	48x1,4	5	2,40
200	48x1,4	5	2,70
250	48x1,4	5	4,50
300	48x1,4	5	5,20

ZINC COATED ROUND STAYS

height cm struts	section mm struts	section mm collars	n° pieces in package struts	n° pieces in package collars	kg each struts
150	40x1,5	40	5	1	2,00
200	40x1,5	40	5	1	2,70
250	40x1,5	40	5	1	3,40

ZINC COATED "T" POSTS

T-shaped zinc coated iron posts. L-shaped zinc coated iron stays.

height cm	section mm	n° pieces in package	kg each
100	30x30x4	50	1,70
125	30x30x4	50	2,12
150	30x30x4	50	2,55
175	30x30x4	50	2,98
200	35x35x4,5	50	4,40
225	35x35x4,5	50	4,95
250	35x35x4,5	50	5,50

ZINC COATED STAYS

height cm	section mm	n° pieces in package	kg each
120	25x25x3	50	1,44
150	25x25x3	50	1,80
200	25x25x3	50	2,40

ZINC COATED "C" POLES

C-shaped zinc coated iron poles. C-shaped zinc coated iron stays.

height cm	section mm	n° pieces in package	kg each
100	30x40x30x2	50	1,4
125	30x40x30x2	50	1,75
150	30x40x30x2	50	2,1
175	30x40x30x2	50	2,45
200	30x40x30x2	50	2,8
225	30x40x30x2	50	3,15

ZINC COATED STAYS

height cm	section mm	n° pieces in package	kg each
125	30x40x30x2	50	1,75
150	30x40x30x2	50	2,1
200	30x40x30x2	50	2,8

CAVATORTA

ACCESSORIES

FOR A PERFECT INSTALLATION

TENSION BARS

Plastic covered tension bars ø 7.00 mm
Colour: Alpine green.

height cm	n° pieces in package	kg each
105	10	2,60
130	10	3,30
155	10	3,90
205	10	5,10

BOXED WIRES

Zinc and plastic coated tension and binding wires

description	coil m	n° pieces in package	kg each
green plastic wire ø 1.0/1.5 mm	100	25	20
green plastic wire ø 2.1/2.8 mm	100	5	15
white plastic clothesline ø 2.1/2.8 mm	20	25	15
green plastic wire ø 2.7/3.6 mm	100	5	25
zinc coated binding wire ø 1.3 mm	100	25	25
zinc coated tension wire ø 2.2 mm	100	5	15
zinc coated tension wire ø 2.7 mm	100	5	22,50

WIRE STRAINERS

Zinc and plastic coated wire strainers.

description	n° pieces in package
alpine green plastic coated strainer	100
zinc coated tension strainer	100

PLIERS AND STAPLES

Zinc and plastic coated pliers and staples.

description	size mm	n° pieces in package
plastic coated staples	20	1000
plastic coated staples	20	200
plastic coated staples	16	250
zinc coated staples	16	250
staple bending tool	16/20	1
staple bending tool	20	1

CONVERSION

TABLE

from	to	multiplayer
mm	inches	0,03937
cm	inches	0,39370
m	feet	3,28080
m	yards	1,09360
kg	pounds (lb.)	2,20460
g	ounce (oz.)	0,03530

from	to	multiplayer
inches	mm	25,3999
inches	cm	2,5399
feet	m	0,3048
yards	m	0,9144
pounds (lb.)	kg	0,4536
ounce (oz.)	g	28,35

AWG	inches	mm
6/0	0,4615	11,722
5/0	0,4305	10,935
4/0	0,3938	10,003
3/0	0,3625	9,208
2/0	0,3310	8,407
1/0	0,3065	7,785
1	0,2830	7,188
1/4	0,2780	7,061
1/2	0,2730	6,934
3/4	0,2680	6,807
2	0,2625	6,668
1/4	0,2580	6,553
1/2	0,2530	6,426
3/4	0,2480	6,299
3	0,2437	6,190
1/4	0,2390	6,071
1/2	0,2350	5,969
3/4	0,2300	5,842
4	0,2253	5,723
1/4	0,2210	5,613
1/2	0,2160	5,486
3/4	0,2120	5,385
5	0,2070	5,258
1/4	0,2030	5,156
1/2	0,2000	5,080
3/4	0,1960	4,978
6	0,1920	4,877
1/4	0,1880	4,775
1/2	0,1850	4,699
3/4	0,1810	4,597
7	0,1770	4,496
1/4	0,1730	4,394
1/2	0,1700	4,318
3/4	0,1660	4,216
8	0,1620	4,115
1/4	0,1590	4,039
1/2	0,1550	3,937
3/4	0,1520	3,861
9	0,1483	3,767
1/4	0,1450	3,683
1/2	0,1420	3,607
3/4	0,1380	3,505
10	0,1350	3,429
1/4	0,1310	3,327
1/2	0,1280	3,251
3/4	0,1240	3,150
11	0,1205	3,061
1/4	0,1170	2,972
1/2	0,1130	2,870
3/4	0,1090	2,769
12	0,1055	2,680
1/4	0,1020	2,591
1/2	0,0990	2,515
3/4	0,0950	2,413
13	0,0915	2,324
1/4	0,0890	2,261
1/2	0,0860	2,184
3/4	0,0830	2,108

AWG	inches	mm
14	0,0800	2,032
1/4	0,0780	1,981
1/2	0,0760	1,930
3/4	0,0740	1,880
15	0,0720	1,829
1/4	0,0700	1,778
1/2	0,0670	1,702
3/4	0,0650	1,651
16	0,0625	1,588
1/4	0,0600	1,524
1/2	0,0580	1,473
3/4	0,0560	1,422
17	0,0540	1,372
1/4	0,0520	1,321
1/2	0,0510	1,295
3/4	0,0491	1,247
18	0,0475	1,206
1/4	0,0459	1,166
1/2	0,0443	1,125
3/4	0,0426	1,082
19	0,0410	1,041
1/4	0,0394	1,001
1/2	0,0379	0,963
3/4	0,0363	0,922
20	0,0348	0,884
1/4	0,0340	0,864
1/2	0,0332	0,843
3/4	0,0325	0,825
21	0,0317	0,805
22	0,0286	0,726
23	0,0258	0,655
24	0,0230	0,584
25	0,0204	0,518
26	0,0181	0,460
27	0,0173	0,439
28	0,0162	0,411
29	0,0150	0,381
30	0,0140	0,356
31	0,0132	0,335
32	0,0128	0,325
33	0,0118	0,300
34	0,0104	0,264
35	0,0095	0,241
36	0,0090	0,229
37	0,0085	0,216
38	0,0080	0,203
39	0,0075	0,190
40	0,0070	0,178
41	0,0066	0,168
42	0,0062	0,157
43	0,0060	0,152
44	0,0058	0,147
45	0,0055	0,140
46	0,0052	0,132
47	0,0050	0,127
48	0,0048	0,122
49	0,0046	0,117
50	0,0044	0,112

CAVATORTA