

Product Profile

The Thermal Insulation System.

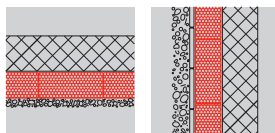
FOAMGLAS[®]
Building



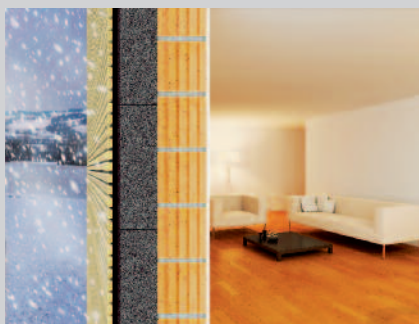
www.foamglas.ae



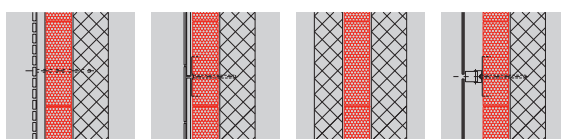
Ground insulation systems



Foundation raft, floor, sub-soil wall



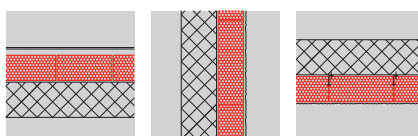
Façade insulation systems



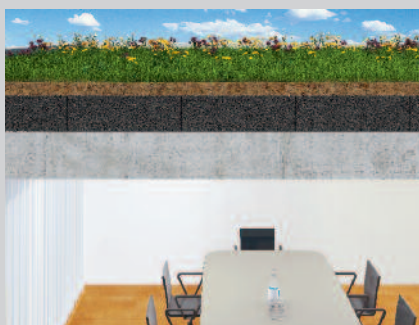
Curtain wall, rendered façade, cavity wall, solar façade



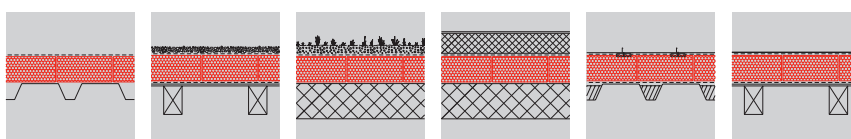
Interior insulation systems



Floor, wall, ceiling / soffit



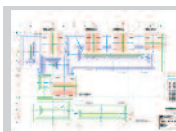
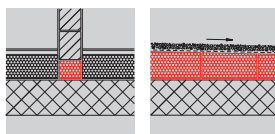
FOAMGLAS® Compact Roof systems



Compact Roof without service or protective layer, Compact Roof with gravel, Green Compact Roof, Compact Roof trafficked / car park decks, Compact Roof with sheet metal covering, Solar Compact Roof



Special insulation systems



FOAMGLAS® TAPERED ROOF SYSTEM (TRS),
 standard falls 1 in 80 (1.1%),
 1 in 60 (1.7%),
 1 in 40 (2.2%).
 Other dimensions, thicknesses and falls are available.

FOAMGLAS® PERINSUL (Cold-bridge insulation block),
FOAMGLAS® TAPERED ROOF SYSTEM (System with cut-to-falls insulation slabs)

Overview of Product Properties

1 Waterproof FOAMGLAS® is waterproof because it consists of closed cell cellular glass. **Advantage:** does not absorb any moisture and does not swell.

2 Pest-proof FOAMGLAS® cannot rot and is pest-proof because it is inorganic. **Advantage:** insulation without risk, especially in the base area and the soil. No basis for nesting, breeding or seed germination.

3 Compression-proof FOAMGLAS® has high compressive strength even with long-term loads due to its cell geometry without deformation. **Advantage:** use as load-bearing thermal insulation without risk.

4 Incombustible FOAMGLAS® is incombustible because it consists of pure glass. Fire behaviour: Classification according to EN 13501: A1. **Advantage:** storage and processing not hazardous. No propagation of flames. In the event of fire, does not develop smoke or toxic gases.

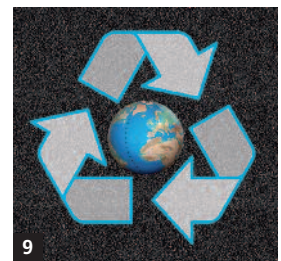
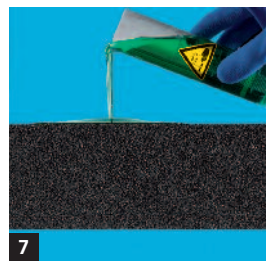
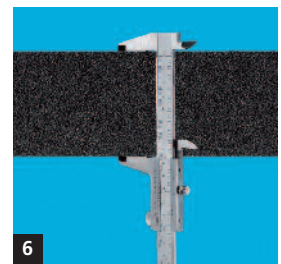
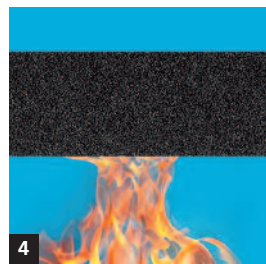
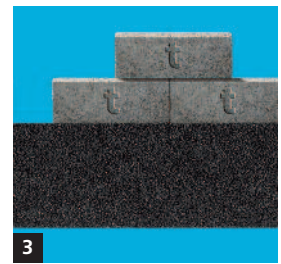
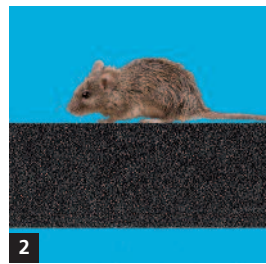
5 Vapour-tight FOAMGLAS® is vapour-tight because it consists of hermetically sealed glass cells. **Advantage:** cannot soak through and already contains the vapour barrier. Constant thermal insulation value over decades. Prevents the penetration of radon.

6 Dimensionally stable FOAMGLAS® is dimensionally stable because glass neither shrinks nor swells. **Advantage:** no warping, buckling or creep. Low coefficient of expansion, nearly equal to that of steel and concrete.

7 Acid-resistant FOAMGLAS® is resistant to organic solvents and acids because it consists of pure glass. **Advantage:** no destruction of the insulation by aggressive mediums and atmospheres.

8 Easy to work with FOAMGLAS® is easy to work with because it consists of thin-walled glass cells. **Advantage:** with simple tools like a saw blade or hand saw, FOAMGLAS® can be cut to any desired measurement.

9 Ecological FOAMGLAS® is free of environmentally damaging flame-retardants protection agents, propellants and consists of over 66% of high value recycling glass. Only regenerative electricity is used in the manufacturing process. **Advantage:** After decades of use as thermal insulation, FOAMGLAS® can be ecologically recycled and be re-used as a granulate.



Additional Characteristics

Composition	Pure glass with a high percentage of recycled glass, inorganic and without binding agent additions
Applicable limit temperatures	From -260 °C to +430 °C
Melting point (cf. DIN 4102-17)	> 1000 °C
Water absorption	0 (aside from the surfaces in the area of the attached cells)
Biological influences	Resistant against microbes as well as against rodent and piercing animals, insects/vermin
Water vapour diffusion resistance figure	$\mu = \infty$
Capillarity and hygroscopicity	None
Fire behaviour (EN 13501-1)	A1
Dimensional stability	Does not swell and shrink, warp or creep
Airborne sound reduction	28 dB at 100 mm thickness (in the mid range frequency area)

FOAMGLAS® Slabs

Product data



EN 13167

	FOAMGLAS® W+F	FOAMGLAS® T4+	FOAMGLAS® S3	FOAMGLAS® F
Dimensions in mm* Length 600 mm, Width 450 mm**	thickness 40 – 160 ***	40 – 180 ***	40 – 180 ***	40 – 160 ***
Density ($\pm 10\%$) [kg/m ³]	100	115	130	165
Thermal conductivity λ_D [W/(m·K)]	≤ 0.038	≤ 0.041	≤ 0.045	≤ 0.050
Fire behaviour (EN 13501-1)	A1	A1	A1	A1
Melting point (cf. DIN 4102-17)	> 1000 °C	> 1000 °C	> 1000 °C	> 1000 °C
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]	≥ 400	≥ 600	≥ 900	≥ 1600
Bending strength BS (EN 12089) [kPa]	–	≥ 450	≥ 500	≥ 550
Tensile strength TR (EN 1607) [kPa]	≥ 100	≥ 100	≥ 100	≥ 150
Thermal expansion coefficient [K ⁻¹]	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$
Specific heat [kJ/(kg·K)]	1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m ² /s)	$4.4 \cdot 10^{-7}$	$4.2 \cdot 10^{-7}$	$4.1 \cdot 10^{-7}$	$3.5 \cdot 10^{-7}$
Water vapour resistance (EN ISO 10456)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)
Specific national product data				
Flexural modulus of elasticity E [MN/m ²]	–	700	1200	1500
BRE Green Guide Rating	A+	A	A	B
Green Rating by thefuturebuild.com, by Masdar	A	A	A	A
Application area	– Walls – Façades	– Roofs, green roofs – Floors, foundation rafts – Façades	– Green roofs – Parking roofs, decks – Floors, foundation rafts	– Floors – Foundation rafts – Multipurpose roofs

a) **FOAMGLAS® TAPERED ROOF SYSTEM (TRS)**, standard falls 1 in 80 (1.1%), 1 in 60 (1.7%), 1 in 40 (2.2%). Other dimensions, thicknesses and falls are available on request. FOAMGLAS® Tapered Roof Design, comprising estimation, calculation, installation plans and building site logistics is a service by Pittsburgh Corning CAD-department to best assist architects and engineers. For more information, see page 11.

* Other dimensions and thicknesses are available on request.

** Tolerances according to EN 13167.

*** For insulation thicknesses > 140 mm, it is recommended to, apply 2 layers on the flat roof.

FOAMGLAS® Boards

Product data



EN 13167

	FOAMGLAS® WALL BOARD W+F	FOAMGLAS® FLOOR BOARD T4+	FOAMGLAS® FLOOR BOARD S3	FOAMGLAS® FLOOR BOARD F
Dimensions in mm* Length 1200 mm, Width 600 mm**	thickness 40 – 140	40 – 180	40 – 180	40 – 160
Density (± 10%) [kg/m³]	100	115	130	165
Thermal conductivity λ_D [W/(m·K)]	≤ 0.038	≤ 0.041	≤ 0.045	≤ 0.050
Fire behaviour (DIN 4102-1) Core material Euro-standard A1	F B2	F B2	F B2	F B2
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]	≥ 400	≥ 600	≥ 900	≥ 1600
Bending strength BS (EN 12089) [kPa]	–	≥ 450	≥ 500	≥ 550
Tensile strength TR (EN 1607) [kPa]	≥ 100	≥ 100	≥ 100	≥ 150
Thermal expansion coefficient [K ⁻¹]	9 · 10 ⁻⁶	9 · 10 ⁻⁶	9 · 10 ⁻⁶	9 · 10 ⁻⁶
Specific heat [kJ/(kg·K)]	1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m²/s)	4.4 · 10 ⁻⁷	4.4 · 10 ⁻⁷	4.4 · 10 ⁻⁷	4.4 · 10 ⁻⁷
Water vapour resistance (EN ISO 10456)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)	$\mu = \infty$ (impervious to water vapour)
Specific national product data				
Flexural modulus of elasticity E [MN/m²]	–	700	1200	1500
BRE Green Guide Rating	A+	A+	A	B
Green Rating by thefuturebuild.com, by Masdar	A	A	A	A
Application area	– Exterior walls – Façades	– Floors – Foundation rafts	– Floors – Foundation rafts	– Floors – Foundation rafts – Multipurpose roofs

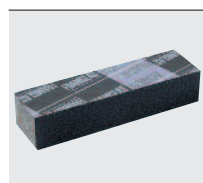
* Other dimensions and thicknesses are available on request.

** Tolerances according to EN 13167.

*** For insulation thicknesses > 140 mm, it is recommended to, apply 2 layers on the flat roof.

FOAMGLAS® Boards and Blocks, Special Products

Product data



EN 13167

	FOAMGLAS® READY BOARD T4+	FOAMGLAS® READY BLOCK T4+	FOAMGLAS® PERINSUL	FOAMGLAS® Angle fillet
Dimensions in mm* Length 1200 mm, Width 600 mm**	thickness 40–180	–	–	–
Dimensions in mm* Length 600 mm, Width 450 mm**	–	40–180	50, 115	50 x 50, 60 x 60, 80 x 80, 100 x 100, 130 x 130,
Dimensions in mm* Length 450 mm**	width –	–	115, 175, 240	150 x 150, 250 x 250
Density (± 10%) [kg/m ³]	115	115	165	100
Thermal conductivity λ _D [W/(m·K)]	≤ 0.041	≤ 0.041	≤ 0.050 W/mK	≤ 0.041 W/mK
Fire behaviour (DIN 4102-1), core material Euro-standard A1	F B2	F B2	F B2	A1
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]	≥ 600	≥ 600	≥ 1600	≥ 600
Bending strength BS (EN 12089) [kPa]	≥ 450	≥ 450	≥ 550	≥ 450
Tensile strength TR (EN 1607) [kPa]	≥ 100	≥ 100	≥ 150	≥ 100
Thermal expansion coefficient [K ⁻¹]	9 · 10 ⁻⁶	9 · 10 ⁻⁶	9 · 10 ⁻⁶	9 · 10 ⁻⁶
Specific heat [kJ/(kg·K)]	1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m ² /s)	4.2 x 10 ⁻⁷	4.2 x 10 ⁻⁷	3.5 x 10 ⁻⁷	4.2 x 10 ⁻⁷
Water vapour resistance (EN ISO 10456)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)
Specific national product data				
Flexural modulus of elasticity E [MN/m ²]	700	700	–	–
BRE Green Guide Rating	A	A	C	A
Green Rating by thefuturebuild.com, by Masdar	A	A	A	A
Application area	– Roofs, concrete – Metall decks – Base of the building (perimeter walls)	– Roofs – Terraces, loggias – Base of the building (perimeter walls)	– Cold-bridge insulation block – Moisture barrier – Cold-bridge insulation block under parapet wall	– Surpasses the 90° angle for waterproofing membranes)

* Other dimensions and thicknesses are available on request.

** Tolerances according to EN 13167.

Adhesives and Coatings

Product data



PC° 56



PC° 56 WU



PC° 500



PC° 58

Type	Two-component adhesive, hydraulic binding	High plastic-modified bitumen emulsion	Single-component adhesive	Two-component adhesive, hydraulic binding
Basis	<ul style="list-style-type: none"> – Component A: bitumen emulsion – Component B: calcium silicates, calcium aluminate, calcium aluminate ferrite 	<ul style="list-style-type: none"> – Component A: bitumen emulsion – Component B: calcium silicates, calcium aluminate, calcium aluminate ferrite 	<ul style="list-style-type: none"> – Bitumen with a high percentage of fibres and other minerals 	<ul style="list-style-type: none"> – Component A: bitumen emulsion – Component B: calcium silicates, calcium aluminate, calcium aluminate ferrite
Consistency	pasty	pasty	pasty	pasty
Applicable temperature	-15°C to +45°C on a non-frozen surface	-15°C to +35°C on a non-frozen surface	-30°C to +80°C	-15°C bis +45°C on a non-frozen surface
Processing temperatures (air + surface)	+5°C to +35°C	+5°C to +35°C	+5°C to +40°C	+5°C bis +35°C
Processing time	at 20°C: app. 90 minutes	at 20°C: app. 45 minutes	at 20°C: several days	at 20°C: app. 90 minutes
Drying time	app. 3 hours	app. 3 hours	several hours	app. 3 hours
Dehydration time	several days	several days	several months	1 to 3 days
Density	app. 1.20 kg/dm ³	app. 0.75 kg/dm ³	app. 1.50 kg/dm ³	app. 1.20 kg/dm ³
Colour	black-brown	black-brown	black-brown	black-brown
Water vapour diffusion resistance figure	$\mu = \text{app. } 40\,000$	$\mu = \text{app. } 25\,000$	$\mu = \text{app. } 20\,000$	$\mu = \text{app. } 25\,000$
Water solubility	mixable	mixable	insoluble	mixable
Solvents	none	none	few	none
Storage	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost. 	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost. 	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep away from open flames and sparks. 	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.
Storage time	See the label for expiration date	See the label for expiration date	See the label for expiration date	See the label for expiration date
Area of application	<ul style="list-style-type: none"> – Bonded with FOAMGLAS® Slabs/Boards to absorbent and non-absorbent surfaces. – Reciprocal attachment of FOAMGLAS® Boards. – Surfacers. 	<ul style="list-style-type: none"> – Bonded with FOAMGLAS® Slabs to absorbent and non-absorbent surfaces. – In a layer density of 4 mm crack-bridging effect on tanking concrete. 	<ul style="list-style-type: none"> – Bonded with FOAMGLAS® Slabs/Boards to absorbent and non-absorbent surfaces. 	<ul style="list-style-type: none"> – Bonded with FOAMGLAS® Slabs/Boards to absorbent and non-absorbent surfaces. – Surfacers.
Form of delivery	Container with 28 kg (21 kg black component + 7 kg powder component)	Container with 28 kg (21 kg emulsion + 7 kg powder component)	Container with 25 kg	Container with 32 kg (24 kg black component + 8 kg powder component)
Consumption	<ul style="list-style-type: none"> – Full, complete bonding with filled joints: app. 3.5 to 4.5 kg/m² – Spot bonding: app. 2.5 kg/m² – Surfacers: app. 1.5 kg/m² 	<ul style="list-style-type: none"> – Full, complete bonding with filled joints: app. 3.5 to 4.5 kg/m² – Spot bonding: app. 2.5 kg/m² – Surfacers: app. 1.5 kg/m² 	<ul style="list-style-type: none"> – Full, completely bonded with filled joints: app. 5.0 to 7.0 kg/m² – Bonding of waterproofing membrane: app. 2.0 kg/m² – Top coating: app. 2.0 kg/m² 	<ul style="list-style-type: none"> – Full, completely bonded with filled joints: app. 5.0 to 7.0 kg/m² – Surfacers: app. 2.0 kg/m²

Adhesives and Coatings

Product data



PC° 11



PC° SK-FIX



PC° PITTCOTE 300



PC° PITTCOTE 404

Type	Single-component adhesive	Reactive, solvent-free, two-component bonding adhesive	Single-component coating, adhesive, joint sealer, cell filler; weather resistant cutback of selected bitumen	Highly elastic acrylic latex coating
Basis	Bitumen solvent mixture with extenders	– Component A: Bitumen – Component B: Fatty acids, resins, extenders, artificial resins	Bitumen base containing a high percentage of fibres and other mineral fillers	Liquid mixture of acrylic resin and extenders
Consistency	pasty	pasty	pasty	pasty
Applicable temperature	-5 °C to +40 °C	-5 °C to +45 °C	-40 °C to +80 °C	-35 °C to +80 °C
Processing temperatures (air + surface)	+5 °C to +40 °C	+5 °C to +40 °C	+10 °C to +40 °C	at least +5 °C
Processing time	–	at 20 °C: app. 20 minutes	–	app. 3 to 4 hours
Drying time	app. 5 to 30 minutes	30 minutes	several hours to 1 month	app. 3 hours
Dehydration time	several days	app. 12 hours	–	app. 48 hours
Density	1.15 kg/dm ³	app. 1.15 kg/dm ³	app. 1.13 kg/dm ³	app. 1.30 kg/dm ³
Colour	black	– Component A: black – Component B: red/brown	black	off-white
Water vapour diffusion resistance figure	μ = app. 50 000	μ = app. 25 000	μ = 65 000	μ = 2500
Water solubility	insoluble	insoluble	immiscible	partially
Solvents	few	none	none	none
Storage	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep away from open flames and sparks.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.	– Store cool and dry in well-closed containers in a well-ventilated place. – Storage temperature of +10 °C to +45 °C.	– Store frost-free and away from sunray exposure. – Storage temperature of +5 °C to +45 °C.
Storage time	See the label for expiration date	At least 6 months	Maximum 2 1/2 years	Maximum 1 1/2 years
Area of application	– Bonded with FOAMGLAS® Slabs/Boards on profiled metal sheets via a special device.	– Bonded with FOAMGLAS® Slabs and FOAMGLAS® Boards on concrete, bituminous roof sheeting and on trapezoidal sheet steel.	– Weather-resistant surface layer with fabric lining PC° FABRIC 79P on FOAMGLAS® slabs.	– Weather-resistant surface layer with fabric lining PC° FABRIC 79P on FOAMGLAS® slabs.
Form of delivery	Container with 28 kg	– Container with 21 kg tubular bag, 2 x 2 kg – Container with 0.5 kg tubular bag, 1 x 2 kg	Container with 28 kg	Container with 21.5 kg
Consumption	– For 8 adhesive strips per meter: app. 1.0 kg/m ² – 700 g/m ² surface, 300 g/m ² butt joint	– Full, complete bonding with filled joints: app. 3.5 to 4.5 kg/m ² – in strips on trapezoidal steel decks, 4 strips: app. 1.0 kg/m ²	app. 1.5 to 4.5 kg/m ²	app. 2.5 to 3.5 kg/m ²

Rendering and Coatings

Product data



PC® 164



PC® 78



PC® 74 A2



PC® 140

	PC® 164	PC® 78	PC® 74 A2	PC® 140
Type	Thin-bed coating	Final rendering	Mineral coating composition	Thin-bed coating composition
Basis	Dispersion adhesive on a liquid polymer dispersion base as well as mineral extenders, sands and additives	Copolymer made of vinyl acetate, vinyl chloride and ethyl, as well as calcite sands and other auxiliary materials	Dry material made of a mixture of special sands, cement and lime hydrate	Processed fine filler based on synthetic dispersion as per DIN 55 945
Consistency	pasty	pasty	powdery	pasty
Applicable temperature	-20 °C to +35 °C	-10 °C to +50 °C	-30 °C to +80 °C	+5 °C to +35 °C
Processing temperatures (air + surface)	+5 °C to +25 °C	+5 °C to +25 °C	+5 °C to +35 °C	+5 °C to +35 °C
Processing time	15 – 20 minutes (surface)	15 – 20 minutes (surface)	app. 3 to 4 hours	20 to 30 minutes
Drying time	Between 20 minutes and several hours (depending on surrounding moisture)	Between 20 minutes and several hours (depending on surrounding moisture)	Between 20 minutes and several hours (depending on surrounding moisture)	Between 20 minutes and several hours (depending on surrounding moisture)
Dehydration time	app. 3 to 5 days depending on building moisture	app. 24 – 72 hours depending on building moisture	app. 24 – 72 hours depending on building moisture	app. 24 – 72 hours depending on building moisture
Density	app. 1.70 kg / dm ³	app. 1.70 kg / dm ³	app. 1.38 kg / dm ³	–
Colour	white	natural white	light gray	natural white
Water vapour diffusion resistance figure	μ = 3000	μ = 150	μ = 15	–
Water solubility	insoluble	insoluble	partially	soluble
Solvents	none	none	none	none
Storage	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost. 	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost. 	<ul style="list-style-type: none"> – Store dry in well-closed sacks. 	<ul style="list-style-type: none"> – Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.
Storage time	Maximum 1 year	Maximum 6 months / 1 year	Maximum 3 (2) years better only 1 year	Maximum 1 year
Area of application	<ul style="list-style-type: none"> – Basic coating with fabric lining PC® 150 on FOAMGLAS® Slabs for ceilings and walls. 	<ul style="list-style-type: none"> – Final rendering (abrasion) 	<ul style="list-style-type: none"> – Non-combustible coating with fabric lining PC® 150 on FOAMGLAS® Boards for fresh air suction tubes, air channels and raised access floors. 	<ul style="list-style-type: none"> – Is applied per spatuala technique with a steel smoothing trowel onto the previously primed surface. Once dry, the prepared surface can be smoothed by wetting and rubbing with a spungy trowel.
Form of delivery	Container with 25 kg	Container with 25 kg	Sacks with 25 kg	Container with 25 kg
Consumption	<ul style="list-style-type: none"> – As a primer layer: app. 3.5 kg / m² 	<ul style="list-style-type: none"> – Grading: 1.0 mm: app. 1.0 to 1.5 kg / m², 1.5 mm: app. 1.7 to 2.2 kg / m², 2.0 mm: app. 2.5 to 3.2 kg / m², 3.0 mm: app. 3.7 to 4.5 kg / m² 	app. 3.5 kg / m ²	<ul style="list-style-type: none"> – As coating: app. 1.5 kg / m² per mm of layer density

Primer and Sealing Compound

Product data



PC° EM



PC° 310



PC° PITTSEAL 444

Type	Thick liquid, solvent-free bitumen emulsion	Solvent-free bonding course, adhesion primer	Single-component sealing compound for sealing of joints, penetrations and connections; plastic and permanently elastic levelling compound; adheres to steel, concrete, wood, etc.
Basis	Bitumen emulsion	Pigmented and quartziferous synthetic resin dispersion	Butyl connection, Naphtha
Consistency	liquid	liquid	pasty
Applicable temperature	-15 °C to +40 °C	+5 °C to +35 °C	-50 °C to +80 °C
Processing temperatures (air + surface)	+5 °C	+5 °C to +35 °C	+10 °C to +25 °C
Processing time	–	20 to 30 minutes	–
Drying time	App. 3 to 12 hours depending on temperature and humidity	at 20 °C and 65 % relative humidity, app. 12 hours	Skin formation in 1 to 3 hours
Dehydration time	–	–	No drying
Density	app. 1.04 kg/dm ³	app. 1.6 kg/dm ³	app. 1.50 kg/dm ³
Colour	black	white, dull	gray
Water vapour diffusion resistance figure	–	–	μ = app. 23 000
Water solubility	mixable	solvent	insoluble
Dry substance at 105 °C	app. 59 weight %	–	–
Solvents	–	none	few
Resistant against:	– Alkali – Oil, fats, solvent – Weak acids	good poor good	–
Storage	Store dry, frost-free, and protected from sun and heat.	Store dry, frost-free, and protected from sun and heat.	– Store dry, frost-free, and protected from sun and heat. – Keep away from open flames and sparks.
Storage time	Maximum 1 year	Maximum 1 year	Maximum 2 years
Area of application	– Primer coat based on bitumen-emulsion adhesives on absorbent substrates such as concrete, masonry and plaster. Dilute the material 1:3 (partition) with water.	PC° 310 is a solvent-free, pigmented and quartz sand bonding course on synthetic resin dispersion. It is used as a primary coat and bonding course for structural plaster on base plaster PC° 74 A2.	– for sealing of joints, penetrations and connections; plastic and permanently elastic levelling compound; adheres to steel, concrete, wood, etc.
Form of delivery	Container with 5 kg	Container with 25 kg	– Cartridges with 0.31 kg – Container with 28 kg
Consumption	app. 300g/m ² finished mixture	app. 250 g/m ²	– For a final layer density of 3 mm: app. 5.2 kg/m ² – Joint width = 3 mm/ Joint depth = 50 mm: app. 0.25 kg/m

Accessories



PC° 150

Types / Description:

Coarse-meshed glass fabric with styrene acrylic

Surface (m² per roll): 50 m²

Operating temperature:
from -35 °C to +80 °C

Processing temperatures:
at least 0 °C

Weight: 165 g / m²

Meshes / dm²: 500

Mesh width: 3.6 x 3.4 mm

Mesh density: 0.40 mm

Tensile strength: longitudinal
(warp): 42 N / mm

Longitudinal strength:
transverse (weft): 38 N / mm



PC° anchor F

Mechanical anchor made of stainless steel and used to mechanically ensure covered bonded FOAMGLAS® to ceilings and walls (ceiling height over 2.50 meters and for ceramic boards).

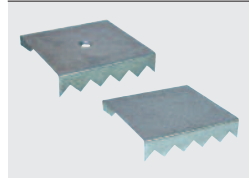
Base height:
20 mm / 30 mm / 60 mm

Consumption on walls:
2 Parts / m²

Consumption on ceilings:
4 Parts / m²

Packaging unit:
Cartons with 100 pieces

Storage: Store dry and protected from moisture.



PC° SP 150 / 150
Serrated Plates, galvanized

Used to attach:

- Metal roof covering (without holes)
- Facades subconstructions (with punched holes, ø 10.2 mm)

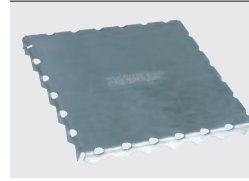
Size:
150 x 150 mm

Sheet density:
1.5 mm

Consumption: Depending on type of application

Packaging unit:
Cartons with 50 pieces

Storage: Store dry and free of moisture.



PC° SP 200 / 200
Serrated Plates, galvanized

Used to attach metal roof covering

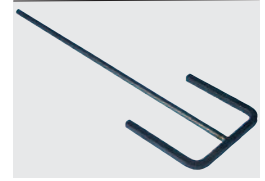
Size:
200 x 200 mm

Sheet density:
1.5 mm

Consumption: Depending on type of application

Packaging unit:
Cartons with 25 pieces

Storage: Store dry and free of moisture.

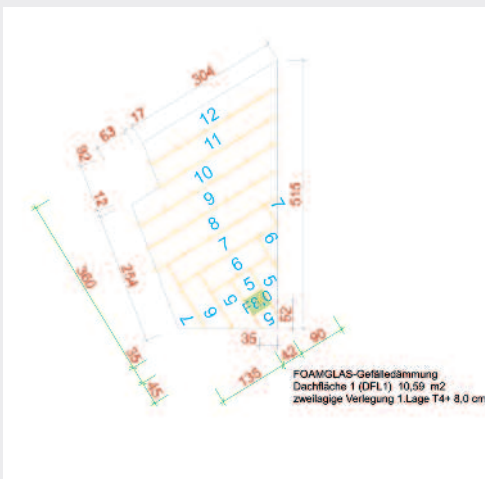
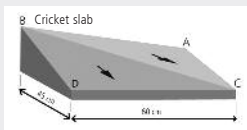
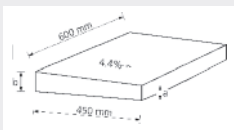


Mixing bar

Area of application:

Insert into an electric drilling machine (at least 800 r.p.m.) for mixing of single or two-component products.

FOAMGLAS® Tapered Roof Service



%	Typ	AD (cm)	ED (cm)
0,00	F8,0	8,00	8,00
2,20	2,20 % / Typ 5	8,00	9,00
	2,20 % / Typ 6	9,00	10,00
	2,20 % / Typ 7	10,00	11,00
	2,20 % / Typ 8	11,00	12,00
	2,20 % / Typ 9	12,00	13,00
	2,20 % / Typ 10	13,00	14,00
	2,20 % / Typ 11	14,00	15,00
	2,20 % / Typ 12	15,00	16,00

VERLEGEPLAN			
FOAMGLAS DEUTSCHE GOSB AG	AG	Geb. Nr.:	
FOAMGLAS ZWE-GERÄD	BRUNNEN	Plan-Nr.:	2143
GRUBB	FOAMGLAS	Ter.:	2143
FOAMGLAS®-KOMPAKT - GEFÄLLEDACH		Neigung	
Colonnaden Hamburg Deutschland		2,2%	
M 1:50	Rev: 011.0073_v.1	DW: 04.04.2011	

Pittsburgh Corning FOAMGLAS® Tapered Roof Design

FOAMGLAS® Tapered Roof is a made to measure insulation system with cut-to-falls slabs which allows for efficient rainwater drainage. It saves weight on the roof, because there is no need for a concrete screed-to-falls.

Standard falls are 1 in 80 (1.1%), 1 in 60 (1.7%), 1 in 40 (2.2%). Other dimensions, thicknesses and falls are available on request, as for instance the so-called 'cricket' slabs with a bi-directional fall.

Pittsburgh Corning assists architects and engineers by her own CAD-Department and provides Tapered Roof Design, based on the architect's site measurements.

The service comprises estimation, calculation, installation plans, building site logistics and site assistance.

www.foamglas.com

FOAMGLAS®
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