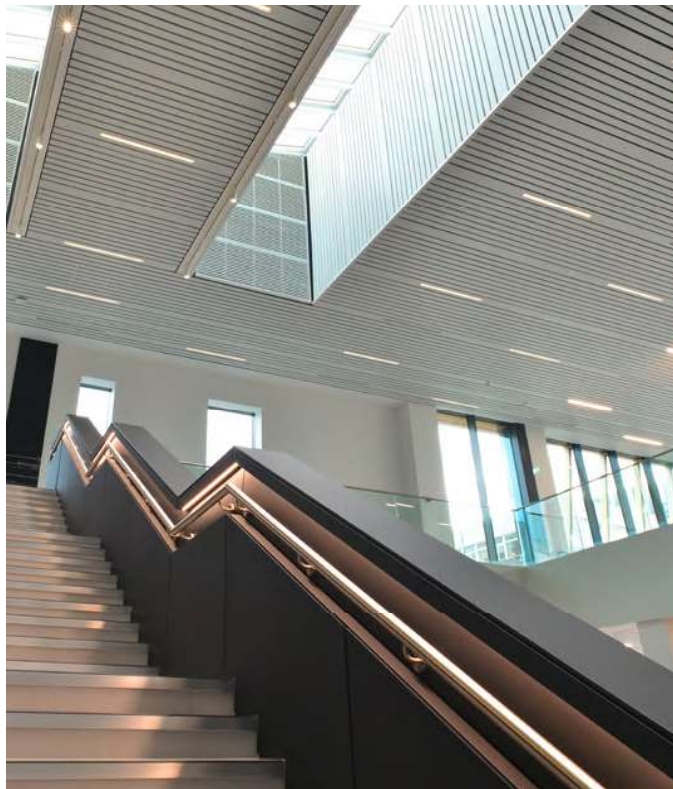
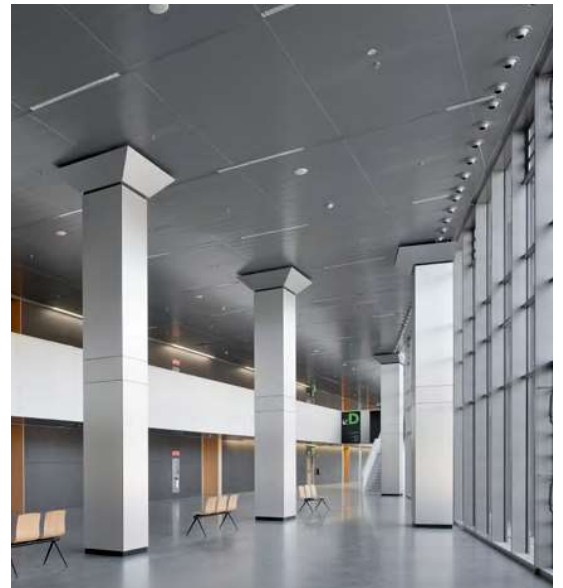
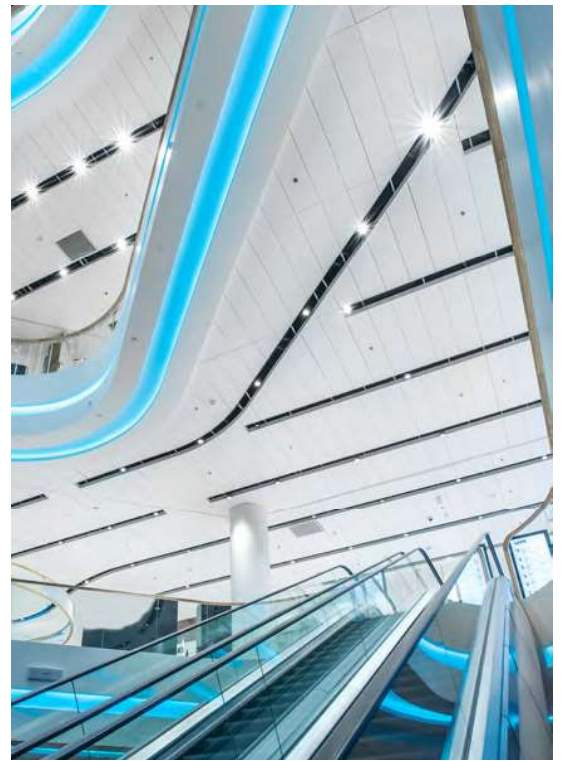


EXPERIENCE
MORE +
METAL SOLUTIONS



[Cover] METAL R-Clip (Trumpf, Warsaw, Poland, © Szymon Polasinski) • [Current page, top left to bottom right] METAL Canopy Concave & Convex (Hôtel de ville, Châteaugiron, France, © StudioVU) • Custom C-Profile METAL Linear Modular System (CTL Collaborative Teaching Laboratory, University of Birmingham, UK, © Simon Miles) • METAL R-Clip (Laboratório EPAL, Portugal, © João Morgado) • METAL Tagular 8, Rg 0701, Global White (Kaspersky Lab, Moscow, Russia, © Sergei Ananiev) • METAL V-P 500, American Walnut wood effects (Blake House, Ukridge, UK, © Philip Durrant) • METAL R-H 200, trapezoid shaped, Rg 0701, RAL 260 20 20 (J&T Banka Café, Brno, Czech Republic, © Filip Šlapal)



[Current page, top left to bottom right] MESH Board, RAL 9005 (Univerexport, Novi Sad, Serbia, ©Marko Cvetkovic Cvele) • METAL R-H 200 (TsUM Shopping Mall, Kiev, Ukraine, ©Bency/TsUM) • METAL D-J 700, triangular shaped, Rg 0701, RAL 9010 (Austria Center Vienna, Austria, ©Ludwig Schedl) • METAL R-Clip (Justice Center, Zaragoza, Spain, ©José Manuel Cutilas) • METAL Q-Clip, Rd 1522, RAL 9003 (Zürich Train Station, Passage Sihlquai, Exit Europallee, Switzerland, ©Foto Lautenschlager) • METAL R-H 200, RAL 1036 (Zürich Train Station, Switzerland, ©Rudi Walt)



METAL & MESH CEILING SOLUTIONS

THINK BOLDER, THINK METAL

When we think bigger, we also think bolder. And one of the best ways to deliver cutting-edge interior design is by installing a contemporary metal ceiling. It helps you create a modern, aesthetically pleasing atmosphere, enhanced by acoustic performances. Knauf Ceiling Solutions Cradle to Cradle Certified® Silver metal range offers an extensive choice of colours and perforation patterns for outstanding visual appearance and effective acoustic comfort.

With our custom metal capabilities, you can create a monolithic look with extra-wide metal panels or a radial effect with trapezoids tailored to fit your space. Faceted, flat, or curved, custom metal ceilings have the unique sizes, shapes, finishes and perforations to make your next project stand out.

SHAPES & SYSTEMS



CEILING EXPOSED GRID

Exposed ceiling systems provide a modular aesthetic and are available in a variety of edge details.



CEILING CONCEALED GRID

Concealed ceiling solutions create a continuous, monolithic look by concealing all of the grid system.



OPEN CELL

Open cell metal tiles mask the plenum and provide 100% accessibility to lighting, ventilation and sprinklers with an homogeneous appearance.



FLOATING CEILING CANOPIES

Open up an almost endless range of dramatic design possibilities with canopies that can be suspended from any soffit.



VERTICAL BAFFLES

Express a new narrative with vertical baffles and create a look to visually tell a story with a solution that will spark your imagination.



FREE SPAN CORRIDOR SOLUTIONS

With easy installation and access to services, wall-to-wall corridor solutions require functionality to handle high traffic and design flexibility to connect key spaces seamlessly.



WALL SOLUTIONS

Walls solutions come in a variety of designs to provide a stunning visual durable enough for high-impact or high traffic areas. Coordinate with ceilings and other interior finishes to create signature spaces.



METAL SOLUTIONS

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Design & Performance	Exterior Solutions ■ Q-Clip Exterior, Q-Clip F Exterior, R-Clip Exterior, R-Clip F Exterior	12
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MESH SOLUTIONS

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	Linear & Tartan ■ B-H 300, B-H 300 MT, K-H 400, K-H 400 MT, R-L 201, R-L 201 MT, B-L 302, B-L 302 MT	50
Concealed Grid Systems	Clip-In, Hook-On ■ R-Clip, R-H 200, R-H 200 MT, R-H 215, R-H 215 MT	52
Free Span Corridor Systems	Clip-In, Hook-On, Lay-In ■ F-Clip, F-H 600, F-H 600 MT, F-L 601, F-L 601 MT	54
Floating Canopy Systems	Individual ■ MESH Canopy MT	56
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TECHNICAL INFORMATION

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METAL SOLUTIONS

There is no limit to what you can achieve with Knauf Ceiling Solutions Vario Design range.

From predefined Lay-In and Clip-In panels to variable module systems, baffles and canopies, all systems are configurable as part of the Vario Design portfolio providing additional technical performances, versatile shapes, dimensions, perforations, colours or acoustic infills to meet the specific design needs of your projects.

Our portfolio of configurable and bespoke metal ceilings and walls gives you the freedom and flexibility to create unique solutions to fit every space.

Faceted, flat or curved, our metal ceilings include unique sizes, shapes, finishes and perforations to make your project stand out from the rest.

TECHNICAL PERFORMANCES



Fire resistance

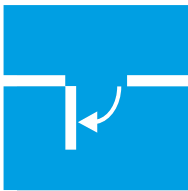
METAL F-H 300 Swing EI30 fire resistant ceiling for corridors.

Tested and classified to meet EI30 (a <-> b), in accordance with EN 13501-2.



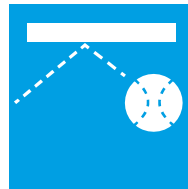
Seismic

Our seismic solutions give the extra security required for seismic resistance. Use our specially designed elements for maximum performance with minimised installation complexity.



Swing-down function

The swing-down function is available to a selection of our metal ceiling solutions. It allows you to quickly swing down the ceiling to grant easy and complete access to the plenum, helping maintain any technical element located there.



Impact resistance

Ceiling panels installed in school corridors, gymnasiums and sports halls must withstand occasional abuse, including surface impact. Our specially adapted METAL R-H 200 impact resistant solution can provide this durability feature.



Clean room

Healthcare, pharmaceuticals, and the food processing industry expect the highest levels of air cleanliness. We designed our clean room metal ceiling tiles to meet these requirements for labs, data centres, and clean room assemblies.



Secure function

This function adds a concealed locking mechanism for metal ceilings, making them tamper-resistant and restricting access to the plenum. They are typically used in judicial and correctional facilities, public areas in general, with a low room height, or psychiatric and juvenile wards.



Exterior

Choose durability's finest from our selection of exterior solutions. These ceiling tiles are tested for wind lift and corrosion resistance. We paired them with grids designed for outdoor use to create a complete system you can rely on to meet the demand of exterior performance.

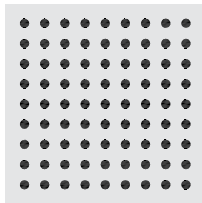


Suitable for chilled ceilings

Choose our chilled ceiling-suitable metal panels to allow for the installation of heating and cooling units, bringing comfort to all occupants with minimal air ventilation requirements.

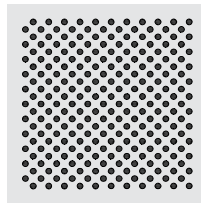
PERFORATIONS

Predefined modules are available in 3 popular perforations.



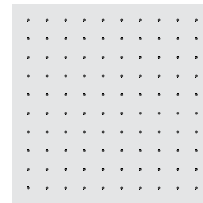
Standard
perforation
Rg 2516

Hole diameter: 2.5mm
Open area: 16%



Micro-
perforation
Rd 1522

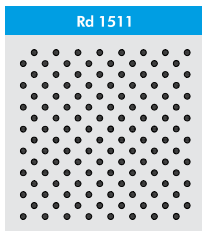
Hole diameter: 1.5mm
Open area: 22%



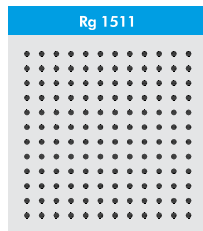
Extramicro
perforation
Rg 0701

Hole diameter: 0.7mm
Open area: 1.5%

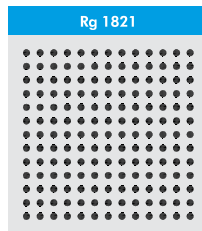
with 5 additional Vario Design Perforations.



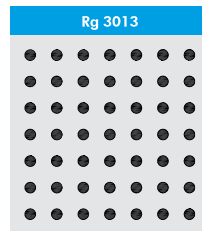
Rd 1511



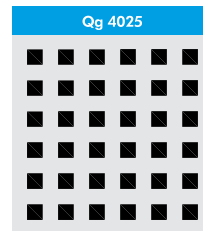
Rg 1511



Rg 1821

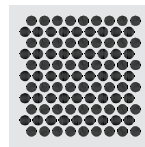
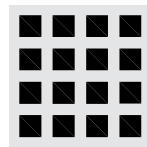
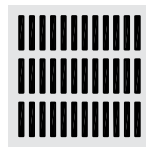
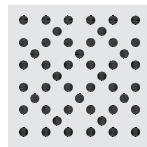
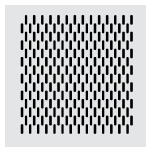


Rg 3013



Qg 4025

Knauf Ceiling Solutions extensive range of more than 50 perforations gives a wide choice of aesthetic options: large apertures for specialised uses such as airflow or loudspeakers to slotted perforations for a more linear appearance. Hereunder is a sample of the possibilities at your reach. For more information, please get in touch with us.



ACOUSTIC SOLUTIONS



■ STANDARD BLACK ACOUSTIC FLEECE

Non-woven acoustic fleece provides a cost effective solution for general sound absorption requirements. As a solution that is bonded to the reverse of the metal tile it helps eliminate pattern staining issues that may occur with loose laid solutions.

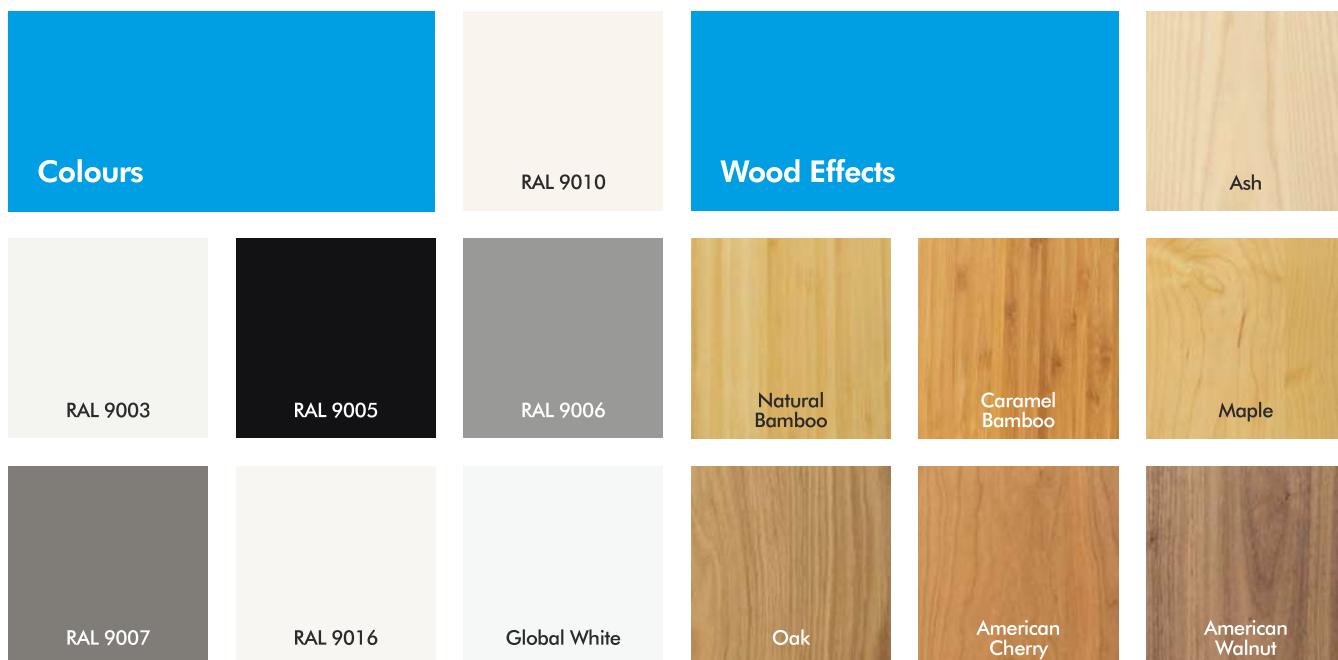
Perforations	Dnfw	α_w	Class
Rg 2516 Standard perforation	18 dB	0.75(L)	C
Rd 1522 Microperforation	16 dB	0.70	C
Rg 0701 Extramicro perforation	21 dB	0.55(L)	D

In addition to the standard acoustic fleece, Knauf Ceiling Solutions offers a range of Vario Design acoustic solutions: Premium OP19 for a high absorption, Premium B15 for a high absorption and attenuation, as well as acoustic pads.

For more information, please get in touch with us.

COLOURS

Knauf Ceiling Solutions standard colour for metal ceilings RAL 9010 (Pure White) and 6 additional Vario Design colours and 7 wood effects.



Further colours and wood effects available on request.

PERFORMANCE COATINGS



METAL BIOGUARD*

Metal BioGuard metal tiles' coating is designed for applications where suspended ceilings are required, and hygiene and cleanliness are of the utmost importance.

Metal BioGuard is more effective in the control of bacteria than a standard powder coating because it prevents the settlement of bacteria on the surface of the tile.

Metal BioGuard gives good cleanability and resistance to disinfectants as well as cleanroom performance.

For more information, please get in touch with us.



METAL TRIOGUARD™*

Metal TrioGuard™ dirt-resistant coating protects the ceiling from dirt build-up and colour fading, maintaining its original look for longer. Available in several metal designs.

- Unique dirt-resistant powder-painted finish with a lasting "just like new" appearance.
- Lower maintenance costs and easy to clean.
- Colour stable, keeping its original colour for up to 10 years⁽¹⁾.

⁽¹⁾ Tested using ASTM D4674 Standard Practice for Accelerated Testing for Colour Stability (10-year simulation).

*BioGuard and TrioGuard™ coatings are only available for concealed grid solutions, unperforated, in RAL 9010 or Global White, without acoustic infill or gasket.