

PRODUCT BROCHURE METAL CREATIVE

KNAUFCEILING
Solutions





METAL CEILINGS TO INSPIRE

CREATE A MASTERPIECE

METAL creative (METAL R-H 215) is Knauf Ceiling Solutions integrated answer to flexible design.



As a painter can create a masterful painting from a limited number of pigments, we take the lead in modular yet flexible interior ceiling design and hand over the reins to architects and designers. With the introduction of our METAL Creative range, we open up unlimited creative options. Combine the acoustical performances from perforated metal panels with our new Vario Design colour palette to convey the intention and feel of a room. Creativity knows no limit, from mood-enhancing colours to sound-enhancing solutions that improve people's well-being. One of the best ways to deliver cutting-edge interior design is by installing a contemporary metal ceiling. Knauf Ceiling Solutions Cradle to Cradle Certified® Silver METAL Creative range offers an extensive choice of patterns for outstanding visual appearance and effective acoustic comfort.

Make a big statement and be bold with our metal offer yet keep flexibility in mind to let your design evolve based on future needs.

// The beauty of a bespoke and unique ceiling, perfectly paired with a standard solution's convenience and effectiveness. The perfect canvas for outstanding projects.

METAL CREATIVE KEY FEATURES

Flexibility

METAL Creative (METAL R-H 215) opens up the possibility of evolving your design over time. With a palette of colours and perforations, you have the tools to create solutions that make sense. Make your project stand out, yet stay flexible to adapt to future reconfiguration, tenants and owners. Use modular and configurable solutions to your advantage, as they can adapt to ever-changing markets and trends, such as multipurpose designer spaces and the future of interior design.

Design

METAL Creative (METAL R-H 215) gives you unlimited freedom. Work from our pre-defined layouts or unleash your creativity and design customised motifs from standardised panels. Trendsetting shapes, colours, perforations and acoustic options will allow you to take the reins of a new playful offer where inventiveness is key to creating a masterpiece.

Sustainability

Knauf Ceiling Solutions METAL Creative (METAL R-H 215) is Cradle to Cradle Certified® Silver, making it designed to be safe, healthy and endlessly reusable. Cradle to Cradle Certified® reframes design as a positive, regenerative force. Our certification helps customers purchase and specify products designed for recycling using manufacturing processes that minimise water consumption, adopt renewable energy strategies and acknowledge social responsibility. Cradle to Cradle Certified® products are recognised in LEED® and WELL Building Standard credits.



Life-cycle

Environmental Product Declarations (EPD) are independently verified and registered documents that communicate transparent and comparable information so customers can assess the life-cycle environmental impact of products and buildings. METAL Creative (METAL R-H 215) Environmental Product Declaration (EPD) has been independently certified by IBU (Institut Bauen und Umwelt e.V.) as conforming to the requirements of ISO 14025.



Simplicity

Pushing the barriers to creativity is a large endeavour enough! Any architect rising to the challenge of today's interior design experiences it. It is why we developed METAL Creative (METAL R-H 215) to offer as easy a system solution as possible:

- **Easy design process** with a set yet diverse number of modules and acoustic options.
- **Simple installation** and maintenance



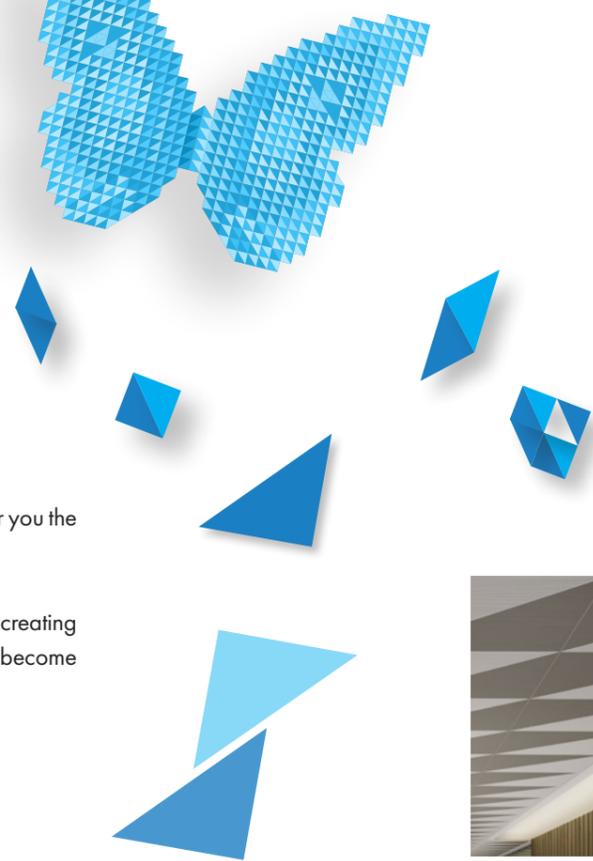


METAL CREATIVE LET YOUR IDEAS FLY

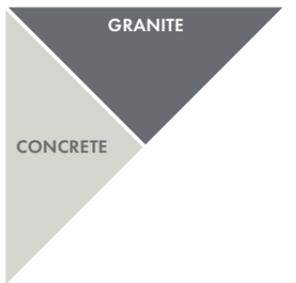
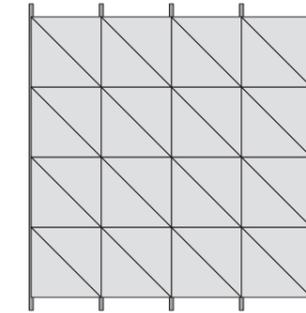
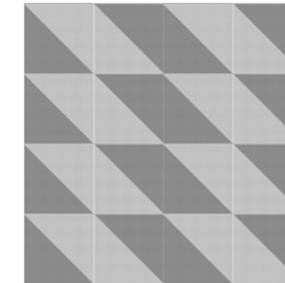
Part of our Creative range, the new METAL Creative (METAL R-H 215) triangular tiles offer you the best of flexibility and modular design.

Combine triangular and square tiles to create parallelograms that blend with the interior, creating an atmosphere in which all the elements are coordinated and allowing the ceilings to become part of the overall architectural expression.

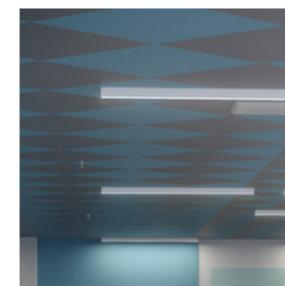
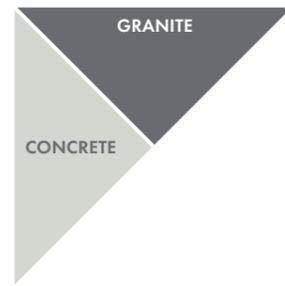
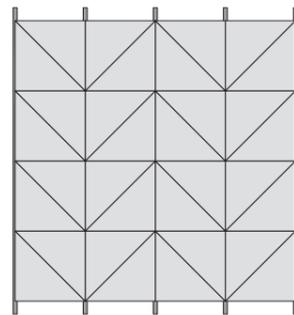
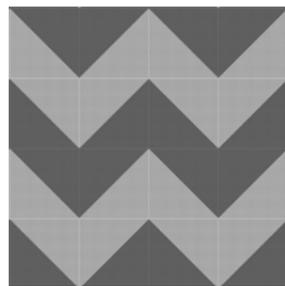
// Thanks to our Vario Design Trend Colours, you can set your imagination free to create unique layouts.



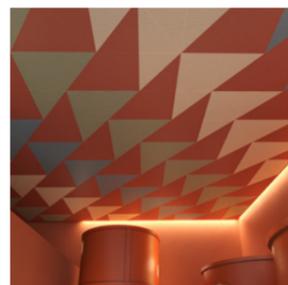
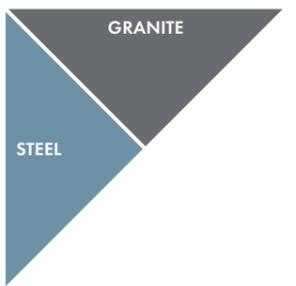
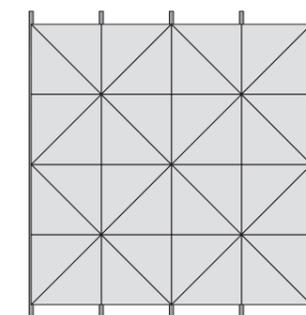
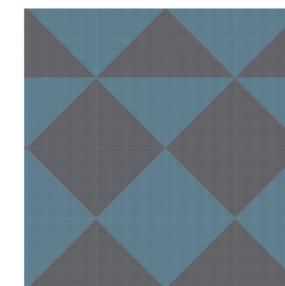
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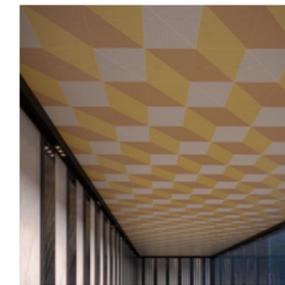
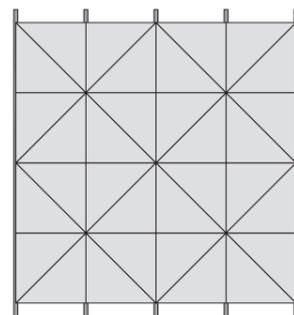
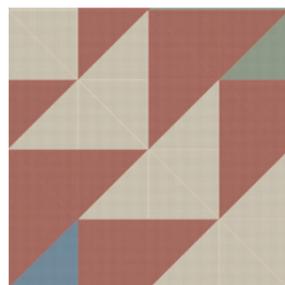
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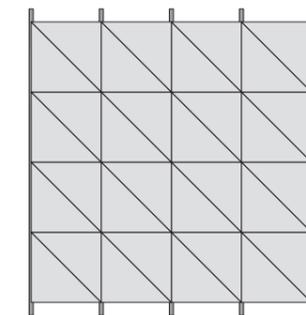
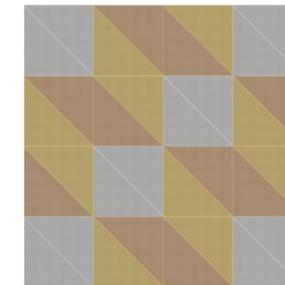
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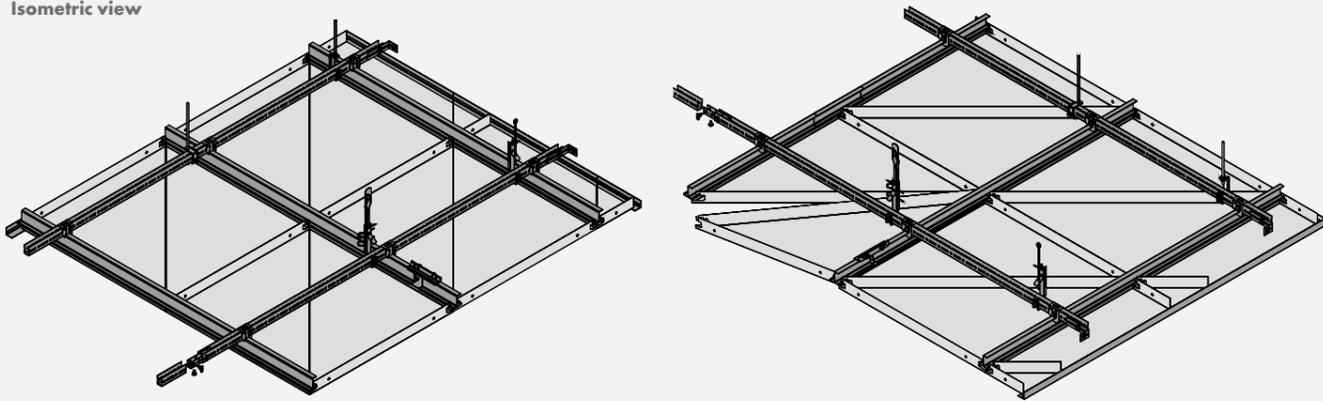


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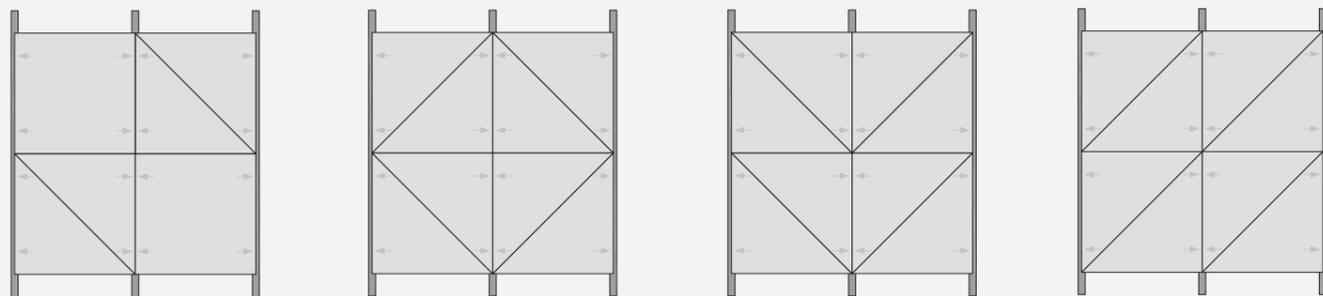


METAL CREATIVE

Isometric view

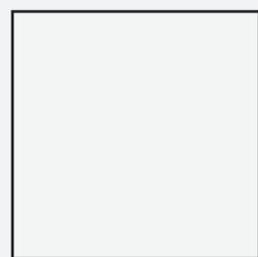


Layout examples

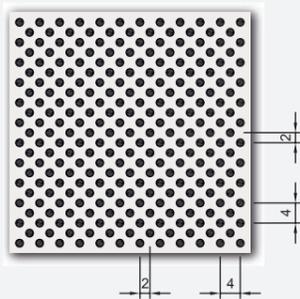


Material & perforations

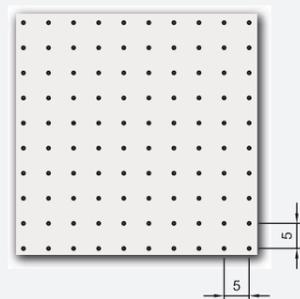
Post-coated galvanised steel, 0.5mm



Unperforated



Microperforation
Rd 1522
Ø: 1.5mm
Open area: 22%



Extramicro perforation
Rg 0701
Ø: 0.7mm
Open area: 1.5%

Concealed Grid Systems
METAL Creative
R-H 215

System section		Cross section		Longitudinal section																																																																											
System		METAL R-H 215																																																																													
Dimensions (mm)		Module: 600 x 600 Panel thickness: 40																																																																													
Material		Post-coated galvanised steel, 0.5mm																																																																													
Colours		<p>Vario Design Colours*</p>																																																																													
Weight		Unperforated 4.6 - 5.5 kg/m ²	Rd 1522 3.7 - 4.5 kg/m ²	Rg 0701 4.6 - 5.5 kg/m ²	Weight varies depending on the edge detail and acoustic infill.																																																																										
Acoustics		<table border="1"> <thead> <tr> <th rowspan="3"></th> <th rowspan="3">α_w*</th> <th rowspan="3">Class</th> <th colspan="7">EN ISO 354</th> <th>EN ISO 10848-2</th> <th>EN ISO 10140-2</th> <th rowspan="3">CAC****</th> </tr> <tr> <th colspan="7">Frequency (Hz) α_p**</th> <th rowspan="2">NRC**</th> <th rowspan="2">D_{n,lw}***</th> <th rowspan="2">R_w***</th> </tr> <tr> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td>Unperforated</td> <td>0.10(L)</td> <td>NC</td> <td>0.25</td> <td>0.15</td> <td>0.05</td> <td>0.05</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>44 dB</td> <td>19 dB</td> <td>-</td> </tr> <tr> <td>Rd 1522 + Fleece</td> <td>0.70</td> <td>C</td> <td>0.30</td> <td>0.65</td> <td>0.90</td> <td>0.65</td> <td>0.70</td> <td>0.75</td> <td>0.70</td> <td>16 dB</td> <td>6 dB</td> <td>16 dB</td> </tr> <tr> <td>Rg 0701 + Fleece</td> <td>0.55(L)</td> <td>D</td> <td>0.45</td> <td>0.70</td> <td>0.70</td> <td>0.55</td> <td>0.55</td> <td>0.45</td> <td>0.65</td> <td>21 dB</td> <td>10 dB</td> <td>22 dB</td> </tr> </tbody> </table> <p>*as per EN ISO 11654 **as per ASTM C 423-01 ***as per EN ISO 717-1 ****as per ASTM E 413-10</p>											α _w *	Class	EN ISO 354							EN ISO 10848-2	EN ISO 10140-2	CAC****	Frequency (Hz) α _p **							NRC**	D _{n,lw} ***	R _w ***	125	250	500	1000	2000	4000	Unperforated	0.10(L)	NC	0.25	0.15	0.05	0.05	0.10	0.10	0.10	44 dB	19 dB	-	Rd 1522 + Fleece	0.70	C	0.30	0.65	0.90	0.65	0.70	0.75	0.70	16 dB	6 dB	16 dB	Rg 0701 + Fleece	0.55(L)	D	0.45	0.70	0.70	0.55	0.55	0.45	0.65	21 dB	10 dB	22 dB
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Fire reaction		Euroclass A1 (Perforated + No Infill) Euroclass A2-s2, d0 (Perforated + Acoustic Fleece) as per EN 13501-1			RUS KM1 (G1, V1, D1, T1) as per 123-FZ																																																																										
Light reflectance		Unperforated 85%	Rd 1522 65%	Rg 0701 80%	Values applicable for RAL 9010 solutions only.																																																																										
Humidity resistance		90% RH																																																																													
Indoor air quality																																																																															
Cleanability		<p>(Unperforated only)</p>																																																																													
Sustainability		<p>~14% Silver*</p>																																																																													
Design options																																																																															

*Granite similar to RAL 000 45 00
Steel similar to RAL 240 60 15
Green Marble similar to RAL 130 70 10
Copper similar to RAL 040 60 30
Oak similar to RAL 070 70 30
Brass similar to RAL 090 80 30
Sandstone similar to RAL 080 85 05
Concrete similar to RAL 000 85 00



8 COLOUR TRENDS + METAL APPROACH = UNLIMITED SOLUTIONS



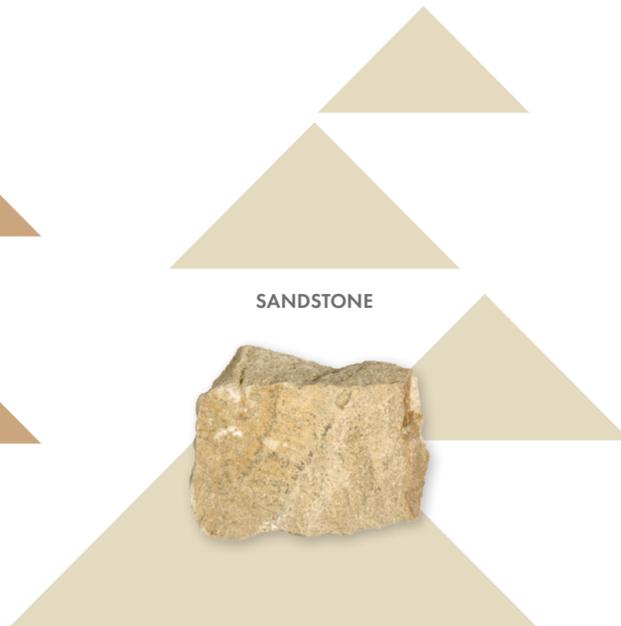
GRANITE



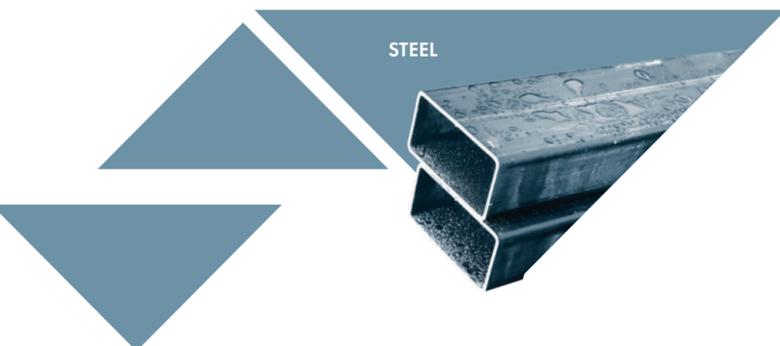
GREEN MARBLE



OAK



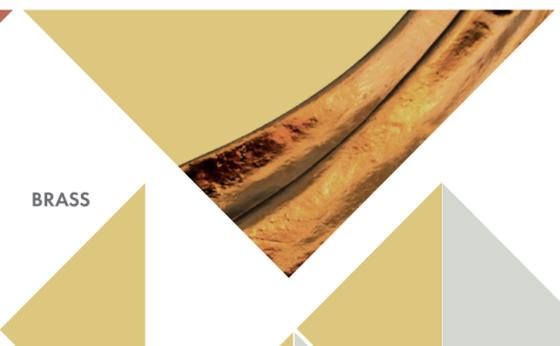
SANDSTONE



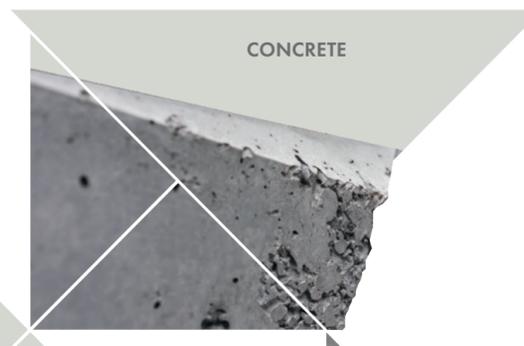
STEEL



COPPER



BRASS



CONCRETE

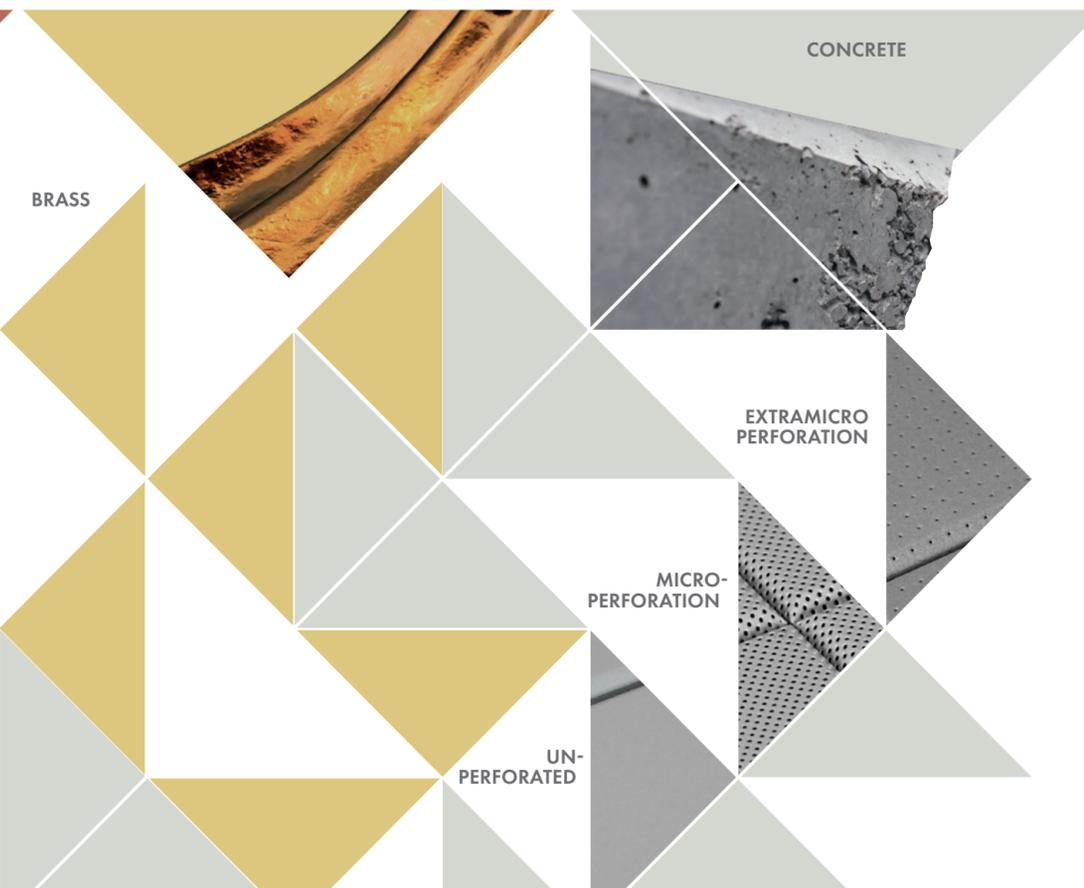
Inspired by Nature

To enhance the spaces we work, live, play and heal in, we collaborated with design experts to create a stylish colour palette for our multi-material product portfolio. Choose from eight hues inspired by nature to create comfortable, well-balanced spaces that enhance occupant health and well-being.

Your colour, your choice, your combination – your unlimited solutions.

The Best Combination Leads to the Best Solution

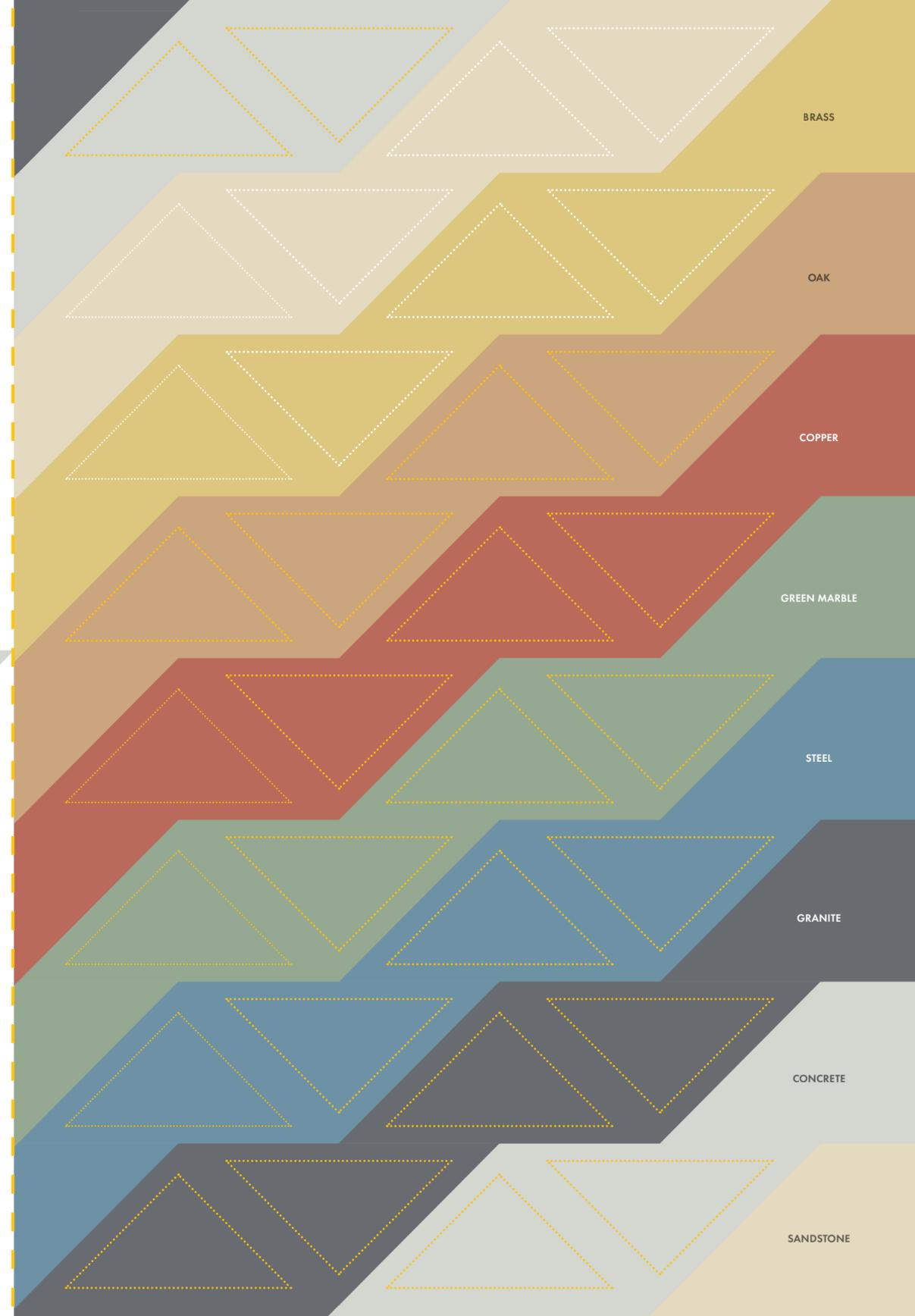
Set your creativity free by mixing and matching different colour combinations to create unlimited design possibilities.



EXTRAMICRO PERFORATION

MICRO-PERFORATION

UN-PERFORATED



BRASS

OAK

COPPER

GREEN MARBLE

STEEL

GRANITE

CONCRETE

SANDSTONE



METAL CREATIVE DESIGN TOOL

Create your own design and contact your sales representative for more information.

YOUR **CEILING**
OUR **SOLUTIONS**

Knauf Ceilings Solutions GmbH & Co. KG

Elsenthal 15,
94481 Grafenau, Germany
Phone: +49 8552 422-0
Fax: +49 9323 318-881-856
www.knaufceilingsolutions.com
E-Mail: info.kcs@knauf.com

Registered court: Passau district court,
Registration No.: HRB 1023
VAT No. pursuant to § 27a of the German VAT Act
(Umsatzsteuergesetz): DE131249009
Managing Director:
Karl Wenig