



Product Selector





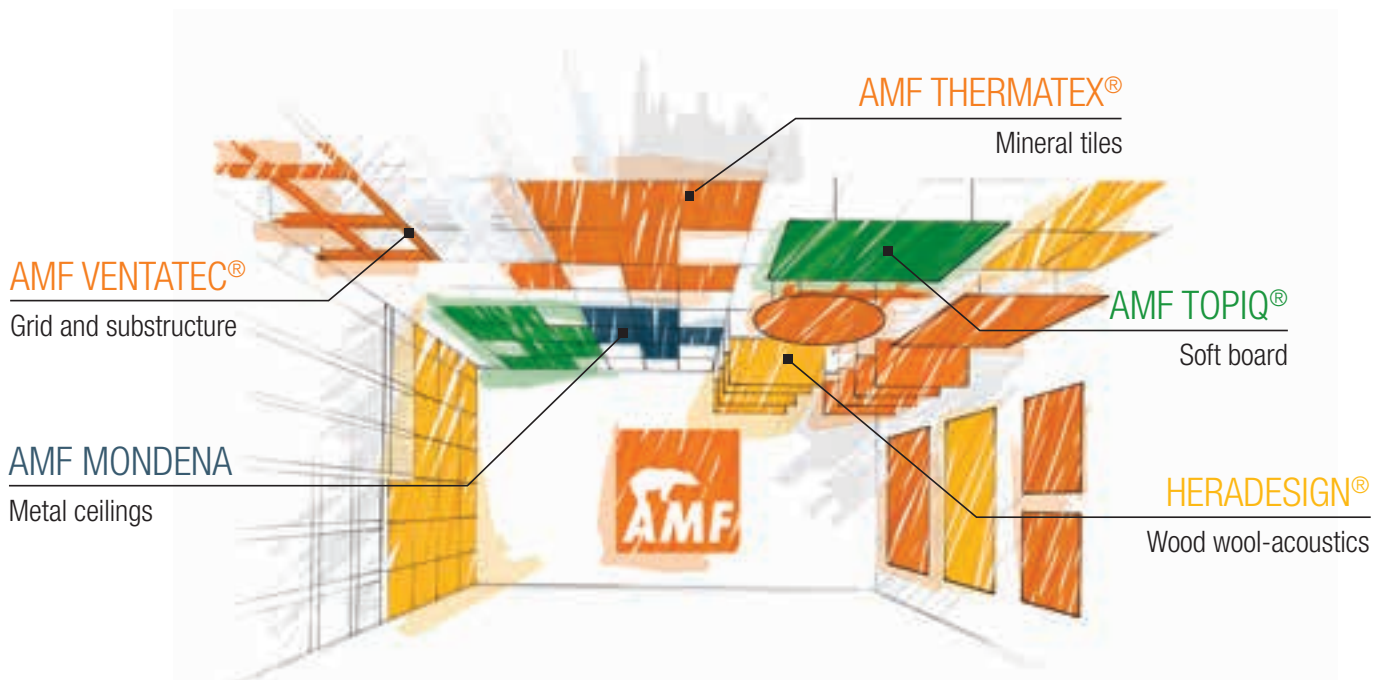
Knauf AMF: Complete system solutions from the experts in suspended ceilings – all from a single source.

Strong brands are recognized for the value that they bring to customers and the promise of consistent quality and service associated with that.

The international acoustic ceiling manufacturer Knauf AMF with its recognised strong product brands has all of these attributes and has always remained true to themselves, particularly in recent years of rapid transformation – maintaining focus on the modular ceiling and the clear demand for “best practice” in innovation, creativity, design, function and quality.

The next phase of the company’s development takes place with a further step to becoming a complete product and system solutions provider with the product brands **AMF THERMATEX®**, **HERADESIGN®**, **AMF TOPIQ®**, **AMF MONDENA**, and **AMF VENTATEC®**.

Today, Knauf AMF is a corporate brand identity for expertise in complete system solutions of modular ceilings and interior systems, with high performance product brands and portfolios.



Environment and Recycling

Environmental protection starts with the manufacturing process. By selecting the right raw materials can maximize efficient manufacture of the product for its life cycle. Setting the standard in production procedures and improvements in machinery and technology contribute to crucial reductions in energy use and minimal emissions of pollutants.

The closed production cycle means that water used in the process is recycled several times while dust, off cuts and waste material are reused in the manufacturing operation.

Eliminating unnecessary packaging and reducing waste is a vital part of the business. To reduce pollution as much as possible, AMF uses only untreated wood for making pallets, waste paper for cardboard packing and pure PE foil for packing.

ECO-FRIENDLY

Material
The sustainable use of resources is a priority at AMF. Locally sourced materials including clay, perlite, mineral wool and starch are the core constituents of our tiles. These materials are processed into ceiling tiles using an advanced process that conserves water by using an almost closed loop process.

GREEN BUILDINGS

Building certification
The high environmental performance of our products and our entire company makes it easy for clients and architects to choose our mineral ceiling tiles. The excellent environmental properties of our products can also contribute to environmental rating schemes (for example DGBN- or LEED).

LEED

AMF mineral fibre ceiling tiles can contribute to several LEED credit points.

Material & Resources

- MR Credit 4.1 & 4.2- recycled content
- MR Credit 2.1 & 2.2 - Construction waste management
- MR Credit 5.2 – Regional Materials, 50% Extracted & Manufactured Regionally
- MR Credit 6 – Rapidly Renewable Materials

Indoor Environmental Quality

- EQ Credit 4.1 – Low- Emitting Materials, Adhesive & Sealants
- EQ Credit 4.2 – Low- Emitting Materials, Paints
- EQ Credit 8.1 – Daylight and Views, Daylight 75% of Spaces
- EQ Credit 8.2 – Daylight and Views, View 90% of Spaces

Innovation in Design

- Credit 1.1 / Credit 1.2 / Credit 1.3 / Credit 1.4

ECOBALANCE

Certificates
Environmental certificates (Type I, Type II and Type III) are available and prove our products have excellent environmental performance.

Blue Angel
The Blue Angel is the first and most well-known eco-label worldwide. Since 1978 it has set the standard for eco-friendly products and services selected by an independent jury in line with defined criteria. The Blue Angel is awarded to companies as kind of a reward for their commitment to environmental protection.

They use it to professionally promote their eco-friendly products in the market.

Blue Angel - ECO Label

The Blue Angel is the first and oldest environment-related label for products and services in the world. It considers itself as a market-conform instrument of environmental policy designed to distinguish the positive environmental features of products and services on a voluntary basis.

Selecting 'Blue Angel' products offers benefits to health and the environment as it means they have been manufactured using environmentally less harmful substances and materials, and will not have an adverse impact on the indoor environment. It also means products don't contain any hazardous substances that might impede waste disposal at end-of-life.

Certain requirements for the award relate to manufacturing processes which must not use halogenated organic compounds in the product or during manufacture. Plasticizers, blowing agents, biocides and pigments containing lead, cadmium or chromium VI compounds are all not allowed. There are also very strict limits on VOC (volatile organic compounds) emissions to protect indoor air quality. The award criteria also include requirements for thermal and sound insulation.

Which AMF solution for which requirement?

Knauf AMF ceilings combine different requirements in one solution. Every product in this catalogue is iconed accordingly.

- Sound absorption
- Fire protection
- Hygiene
- Design
- Humidity
- Washability / Wipeability
- Sound attenuation
- Light reflectance
- Thermal conductivity
- Clean room
- No filter effect

Questions?



Our technical information service AMF Direct

Tel.: +49 (0) 85 52 / 422 74

Tel.: +49 (0) 85 52 / 422 977

is the easiest and simplest way for you to obtain further information.



THERMATEX® Acoustic

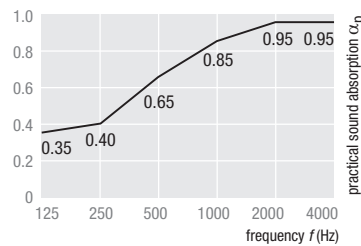


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandrastrer system, concealed cross sections

Sound absorption values

$\alpha_w = 0.65(H)$ as per EN ISO 11654
 $NRC = 0.70$ as per ASTM C 423



Sound attenuation	$CAC = 39$ dB as per ASTM E413-10 (19 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, VT-S 15/14, VT-S15F, AW/GN, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI20 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Clean room	Class 4 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 4.6 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® dB Acoustic 24 mm



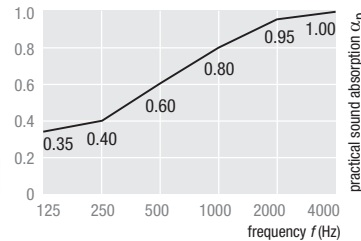
Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandrastrer system, concealed cross sections

Sound absorption values

$\alpha_w = 0.65(H)$ as per EN ISO 11654
 $NRC = 0.70$ as per ASTM C 423

$D_{n,f,w} = 41$ dB



Sound attenuation	$CAC = 43$ dB as per ASTM E413-10 (24 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, VT-S15F, AW/GN, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	24 mm / approx. 8.4 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® dB Acoustic 30 mm



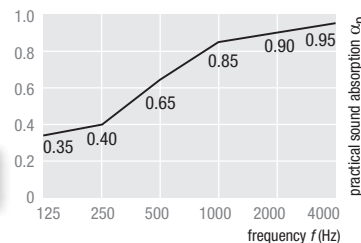
Systems

- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandrastrer system, concealed cross sections

Sound absorption values

$\alpha_w = 0.65(H)$ as per EN ISO 11654
 $NRC = 0.70$ as per ASTM C 423

$D_{n,f,w} = 43$ dB



Sound attenuation	$D_{n,f,w} = 43$ dB as per EN ISO 10848 (30 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, VT-S15F, AW/SK
Building material class	A2-s1, d0 as per EN 13501-1
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	30 mm / approx. 10.5 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha ONE



$\alpha_w = 1.00$

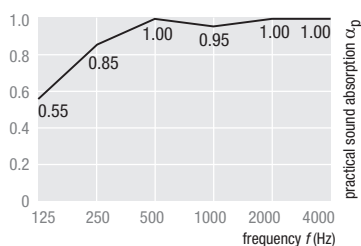
Systems

Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 1.00$ as per EN ISO 11654

$NRC = 1.00$ as per ASTM C 423



Sound attenuation	$D_{n,f,w} = 29$ dB as per EN ISO 10848 (24 mm thickness, as per test certificate)
Edge details	SK, VT-S 15/24, VT-S15F
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Clean room	Class 4 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	24 mm / approx. 4.0 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha



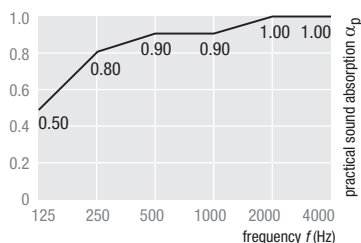
Systems

Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.95$ as per EN ISO 11654

$NRC = 0.90$ as per ASTM C 423



Sound attenuation	$CAC = 29$ dB as per ASTM E413-10 (19 mm thickness, as per test certificate)
Edge details	SK, VT-S 15/24, VT-S15F, VT 15/24 on request
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Clean room	Class 4 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 3.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha dB

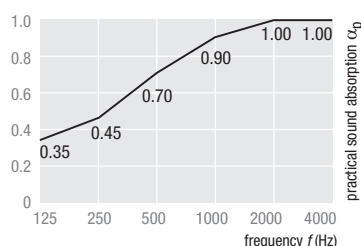


Systems

Exposed system, demountable ceiling

Sound absorption values

$NRC = 0.80$ as per ASTM C 423



Sound attenuation	$CAC = 40$ dB as per ASTM E413-10 (22 mm Dicke, as per test certificate)
Edge details	SK, VT 15/24
Building material class	Class A as per ASTM E1264 (tested according to ASTM E84)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	22 mm / approx. 5.5 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha HD

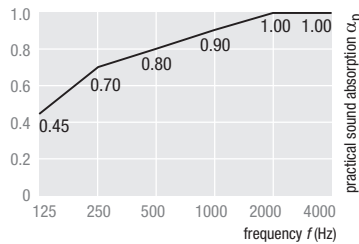


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandrastrer system, concealed cross sections

Sound absorption values

$\alpha_w = 0.90$ as per EN ISO 11654
 $NRC = 0.85$ as per ASTM C 423



Sound attenuation	$CAC = 35$ dB as per ASTM E413-10 (19 mm Dicke, as per test certificate)
Edge details	AW/GN, AW/SK, GN/SK, VT 15/24 on request
Building material class	A2-s1, d0 as per EN 13501-1
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 5.2 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha HD 35 mm

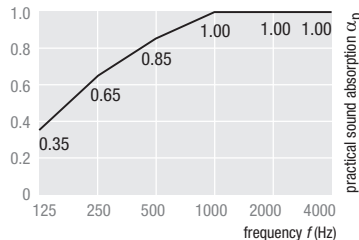


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandrastrer system, concealed cross sections

Sound absorption values

$\alpha_w = 0.90$ as per EN ISO 11654
 $NRC = 0.85$ as per ASTM C 423



Sound attenuation	$CAC = 43$ dB as per ASTM E413-10 (35 mm Dicke, as per test certificate)
Edge details	VT-S 15/24, VT-S 15F, AW/SK
Building material class	A2-s1, d0 as per EN 13501-1
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	35 mm / approx. 9.0 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Thermofon

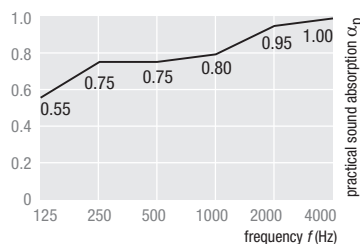


Systems

- C** Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.80(H)$ as per EN ISO 11654
 $NRC = 0.85$ as per ASTM C 423



Sound attenuation	$D_{n,f,w} = 28$ dB as per EN ISO 10848 (15 mm thickness, as per test certificate)
Edge details	SK, VT-S 15/24, VT 15/24 on request
Building material class	A2-s1, d0 as per EN 13501-1
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.038$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Clean room	Class 4 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 2.6 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Alpha black



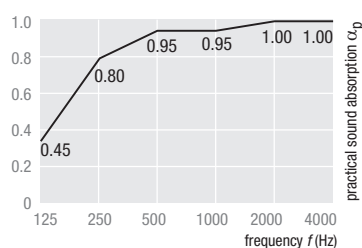
Systems

- Exposed system, demountable ceiling

Sound absorption values

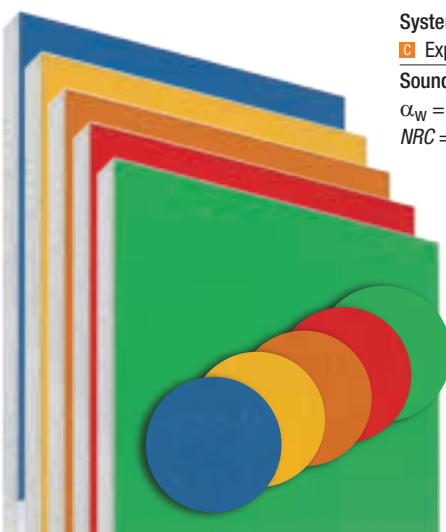
$\alpha_w = 1.00$ as per EN ISO 11654

$NRC = 0.90$ as per ASTM C 423



Sound attenuation	$CAC = 29$ dB as per ASTM E413-10 (19 mm thickness, as per test certificate)
Edge details	SK, VT-S 15F on request
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Light reflectance	approx. 3,8%
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 3.3 kg/m ²
Colour	black

THERMATEX® Alpha coloured



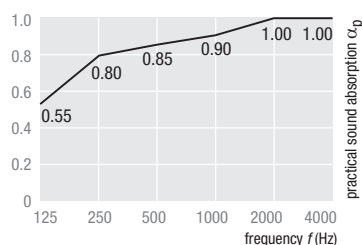
Systems

- Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.90$ as per EN ISO 11654

$NRC = 0.95$ as per ASTM C 423



Sound attenuation	$CAC = 29$ dB as per ASTM E413-10 (19 mm thickness, as per test certificate)
Edge details	SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 3.3 kg/m ²
Colours	RAL 9023, RAL 9006, RAL 9004, RAL 9001, RAL 6018, RAL 3020, RAL 1023, RAL 060 50 60, RAL 230 50 40

THERMATEX® Kombimetall perf.



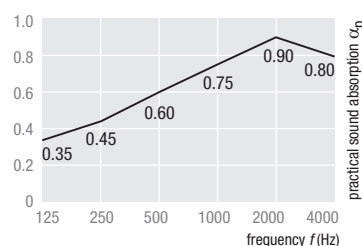
Systems

- Free span system with exposed or concealed suspension
- Bandraster system, concealed cross sections

Sound absorption values

$\alpha_w = 0.65$ (H) as per EN ISO 11654

$NRC = 0.70$ as per ASTM C 423



Sound attenuation	$CAC = 42$ dB as per ASTM E413-10 (planks, as per test certificate)
Edge details	AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 90% RH (for varying humidity, up to 30°C)
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	21 mm (c. 9.5 kg/m ²) Weight is dependent on the type and size of metal facing that is used.
Colours	white similar to RAL 9010

THERMATEX® Fine Stratos micro perf.

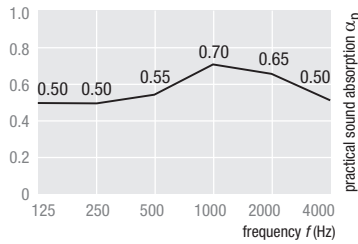


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandraaster system, concealed cross sections

Sound absorption values

$\alpha_w = 0.60$ as per EN ISO 11654
 $NRC = 0.55$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, AW/GN, GN/GN, SK/SK, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Fine Stratos

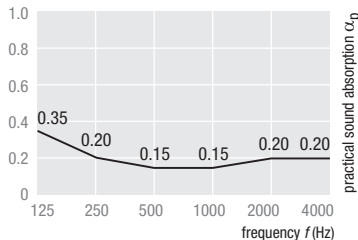


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandraaster system, concealed cross sections

Sound absorption values

$\alpha_w = 0.20$ as per EN ISO 11654
 $NRC = 0.15$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, AW/GN, GN/GN, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Star

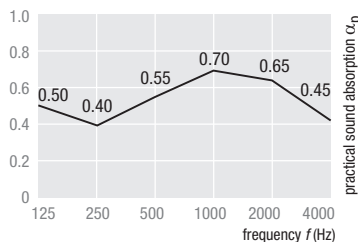


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandraaster system, concealed cross sections

Sound absorption values

$\alpha_w = 0.60$ as per EN ISO 11654
 $NRC = 0.60$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, AW/GN, GN/GN, SK/SK, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 90%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Laguna micro perf.



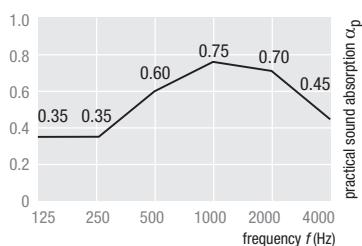
Systems

- Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.60$ as per EN ISO 11654

$NRC = 0.60$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 90% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Laguna



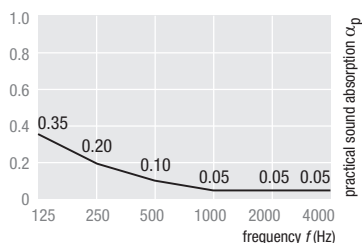
Systems

- Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.10(L)$ as per EN ISO 11654

$NRC = 0.10$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 90% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Fresko



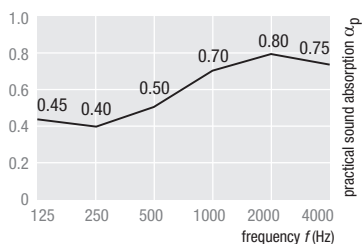
Systems

- Exposed system, demountable ceiling
- Free span system with exposed or concealed suspension
- Bandraaster system, concealed cross sections

Sound absorption values

$\alpha_w = 0.60(H)$ as per EN ISO 11654

$NRC = 0.60$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm Dicke, as per test certificate)
Edge details	SK, VT 15/24, SK/SK, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 87%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 90% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Mercure

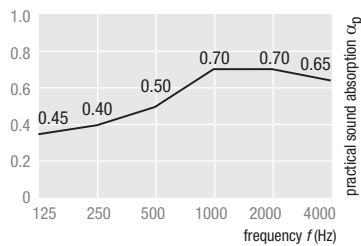


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling
- F** Free span system with exposed or concealed suspension
- I** Bandraaster system, concealed cross sections

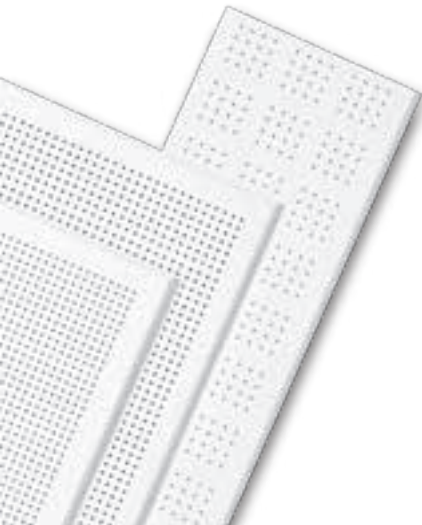
Sound absorption values

$\alpha_w = 0.60$ as per EN ISO 11654
 $NRC = 0.60$ as per ASTM C 423



Sound attenuation	$CAC = 36$ dB as per ASTM E413-10 (15 mm thickness, as per test certificate)
Edge details	SK, VT 15/24, AW/GN, GN/GN, SK/SK, AW/SK, GN/SK
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

THERMATEX® Symetra

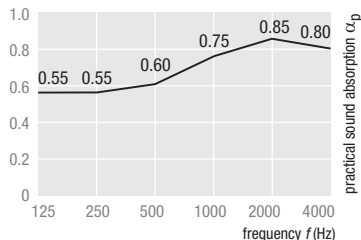


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling

Sound absorption values

Symetra Rg 4-10
 $\alpha_w = 0.70$ as per EN ISO 11654
 $NRC = 0.70$ as per ASTM C 423



Edge details	SK, VT 15/24, VT-S15F, AW*, GN*
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI90 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 87%
Thermal conductivity	$\lambda = 0.052 - 0.57$ W/mK as per DIN 52612
Humidity resistance	up to 90% RH
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ² , 19 mm / approx. 5.3 kg/m ²
Colours	white similar to RAL 9010

* not available for all surfaces

THERMATEX® Thermaclean S



Systems

- C** Exposed system, demountable ceiling



Sound attenuation	$D_{n,f,w} = 34$ dB as per EN ISO 10848 (15 mm thickness, as per test certificate)
Edge details	SK
Building material class	A2-s3, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 81%
Thermal conductivity	$\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity resistance	up to 95% RH
Clean room	Class 3 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	15 mm / approx. 4.0 kg/m ²
Colours	S-white

THERMATEX® Aquatec

The sound absorbing ceiling tile for wet areas.

In rooms with permanently high humidity, such as swimming pools, sanitary facilities or large kitchens, special demands are placed on the ceiling in terms of humidity resistance. Due to its special composition, THERMATEX® Aquatec resists humidity up to 100% RH. This means that it is dimensionally stable when exposed to high humidity and temperatures from 0° to 40°C. This makes THERMATEX® Aquatec especially suitable for many applications, such as offices and retail in regions with a naturally high humidity like the tropics. For thorough cleaning the THERMATEX® Aquatec can also be washed. The Aquatec also has outstanding sound absorption providing an optimal solution for most hygiene applications.

Application areas

THERMATEX® Aquatec provides an excellent solution for critical applications, in which the product selection must be made especially carefully:

- Healthcare facilities
- sanitary facilities
- kitchens
- swimming pools (corrosion resistant grid system required)

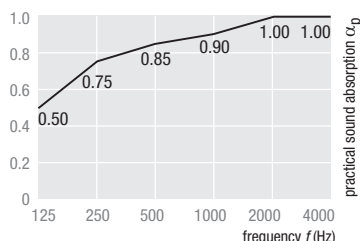


Systems

- A** Concealed system, panels demountable AW/GN non-accessible GN/GN
- C** Exposed system, demountable ceiling

Sound absorption values

$\alpha_w = 0.90$ as per EN ISO 11654
 $NRC = 0.90$ as per ASTM C 423



Sound attenuation	$D_{n,f,w} = 28$ dB as per EN ISO 10848 (19 mm thickness, as per test certificate)
Edge details	SK, VT-S 15/24, AW/GN
Building material class	A2-s1, d0 as per EN 13501-1
Fire	REI30 - REI120 as per EN 13501-2 (see test report for full details)
Light reflectance	up to 88%
Thermal conductivity	$\lambda = 0.040$ W/mK as per EN 12667
Humidity resistance	up to 100% RH
Clean room	Class 3 as per ISO 14644-1
Dimensions	For sizes as well as supply categories please consult www.amfceilings.com
Thickness / Weight	19 mm / approx. 5.2 kg/m ²
Colours	white similar to RAL 9010



THERMATEX® Varioline

Create atmosphere

THERMATEX® Varioline is a perfect choice for rooms, in which there is a need for the minimalistic elegance of a metal ceiling or the cosy and friendly ambience created by wooden ceilings, at the same time, however, it is necessary to fulfill substantial requirements in terms of fire protection, acoustics or moisture resistance.

Advantages:

- Various design possibilities
- Good sound absorption
- Stable form and easy handling
- Fire protection
- Light weight
- 100% recyclable

THERMATEX® Varioline wood

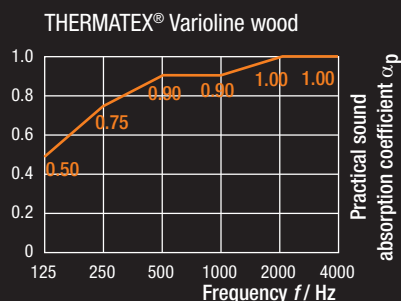
Warm, friendly, structurally superior: mineral ceilings which look like wood

If the architecture requires the cosy atmosphere provided by a wooden ceiling, at the same time meeting the highest requirements in terms of fire protection and acoustics, the THERMATEX® Varioline mineral ceilings are a perfect alternative. The ceiling tiles are given their wooden image thanks to a subtle, thin layer of fleece, which can be imprinted with a wide range of different wooden patterns.

- Ash
- Birch
- Cherry (US)



- Larch
- Cherry (European)
- Oak

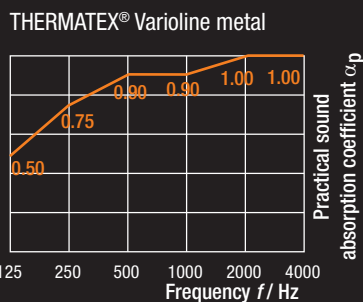


THERMATEX	Wood finishes			Edge configuration					Technical data					
	Systems	Thickness/weight	Format	SK	VT-S15/24	VT-S15F	SF	AW/SK	Sound absorption (EN ISO 11654)	Sound attenuation (EN 20140-9 / EN ISO 10848)	Building material class (EN 13501-1)	Fire resistance (EN 13501-2)	Humidity resistance	Thermal conductivity (DIN 52612 / EN 12667)
Varioline	C	19 mm (3.0 kg/m ²)	600 x 600, 625 x 625	✓	✓	✓			$\alpha_w = 0.95$ $NRC = 0.90$	$D_{n,f,w} = 28$ dB	A2-s1,d0	REI 30 - REI 90	95% RH	0.040 W/mK
Varioline SF	C	24 mm (8.4 kg/m ²)	600 x 600, 625 x 625				✓		$\alpha_w = 0.65$ (H) $NRC = 0.70$	$D_{n,f,w} = 38$ dB	A2-s1,d0	REI 30	95% RH	0.052-0.057 W/mK
Varioline Acoustic	F, I	19 mm (4.6 kg/m ²)	1200-1800 x 300					✓	$\alpha_w = 0.65$ (H) $NRC = 0.70$	$D_{n,f,w} = 40$ dB	A2-s1,d0	REI 30	95% RH	0.052-0.057 W/mK

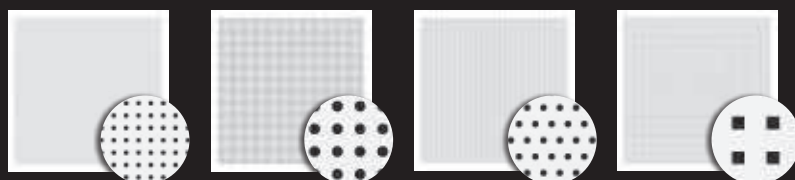
THERMATEX® Varioline metal

A mineral ceiling designed like a metal ceiling

Instead of drilling holes into the tiles, the perforation pattern, typical for metal ceilings, is imprinted on the white surface of the THERMATEX® Varioline products using high contrast black paint. This way the product preserves the features of a wet-felt mineral ceiling. A variety of perforation patterns combined with different edge details make for a trendy, modern design.



- Pattern A Rg 1.0 - 3.0
- Pattern B Rg 2.5 - 5.5
- Pattern C Rg 1.5 - 2.8D
- Pattern D Qg 3.0 - 8.5



THERMATEX® Varioline motif

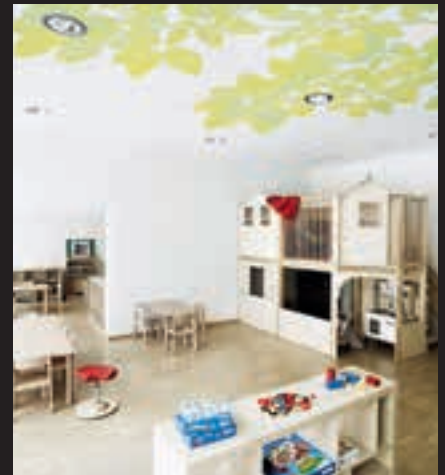


Individual ceiling design

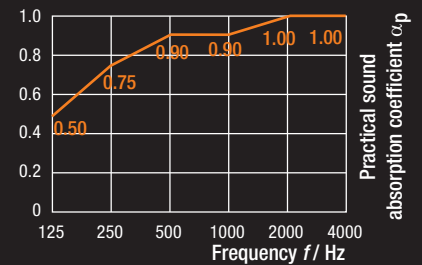
Along with the wide variety of standard wooden patterns, the ceiling can also be freely designed according to individual taste (e.g. with company logos, in corporate colors, with individual pictures and patterns and in all colors reproducible by 4c print). The design possibilities are basically unlimited.

Implementing your personal design ideas is very simple: just provide us with a print-ready file. Alternatively, the file can also be created by us.

- print-ready graphic files: .tif, .jpg, .eps
- print-ready PDF-files in x/3 standard
- resolution min. 200 dpi
- alternatively: vector files
- 3 mm trims on all sides



THERMATEX® Varioline motif

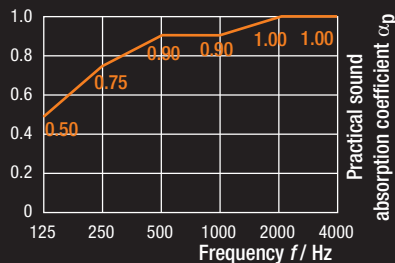


THERMATEX® Varioline Urban Style

THERMATEX® Varioline Urban Style is a fleece-coated, highly absorbing acoustic tile. In addition to fulfilling high acoustic requirements, the class A sound absorber also fulfils important physical properties in fire protection and hygiene. Its sophisticated product design allows uncomplicated handling and installation. The high quality acoustic fleece also gives an elegant optic with the application of a timeless, urban surface texture.



THERMATEX® Varioline Urban Style



- Concrete
- Wood wool
- Brick
- Papyrus





THERMATEX® Sonic – Simply get more out of a ceiling

THERMATEX® Sonic - Overview

Modern architecture uses hard reflective materials such as glass, steel and concrete, usually this means there is only limited space available for the acoustic absorption that is needed to provide a comfortable acoustic environment.

The THERMATEX® Sonic raft offers a simple solution to optimise the acoustics of a space of a room.



THERMATEX® Sonic arc



Particularly elegant design possibilities are achievable by varying layouts of concave and convex ceiling raft with THERMATEX® Sonic arc.

Elegant designs can be created using both concave and convex rafts together. Different colours are available to offer contrasting options. All rafts are delivered and fitted in one piece to provide a quick and easy installation. The suspension cables are stainless steel and are fully adjustable to allow precise positioning.

Advantages:

- Concave and Convex elements
- Available in 4 different colours
- Adjustable hangers
- Quick and easy installation

Further face patterns are available on request



THERMATEX® Sonic sky



The THERMATEX® Sonic sky rafts offers freedom of scope to architects and designers through a wide variety of colours and shapes. The rafts consist of a self supporting frame combined with THERMATEX® ceiling tiles. The THERMATEX® Alpha and THERMATEX® Alpha HD products with a smooth white acoustic finish are particularly suitable for raft installation and are available in a range of different colours. A engineered profile connector system ensures a quick and easy installation. Subtle stainless steel wire supports provide an elegant weightless appearance.

Advantages:

- Flexible sizes
- Special shapes are available (Trapezoids, triangles etc.)
- Can be installed at an angle (non-horizontal)
- Large choice of tile face patterns
- Lights and service can be easily integrated

AMF THERMATEX® Baffles



THERMATEX® AMF Baffles are an effective solution for providing a room with significantly better acoustics, when the available ceiling and wall surfaces are insufficient for optimum sound absorption. The sound absorbing, rectangular panels are suspended vertically from the ceiling and are sound absorbing on both sides, lowering the noise level in a room and improving the acoustics. For an extraordinary, weightless look, baffles can be fixed using almost invisible stainless steel cables.

THERMATEX® Baffle Classic



The fleece-coated classic white surface of the THERMATEX® Baffle Classic series unite function with a timeless, modest aesthetic. The system is mainly used where high value is placed on a clear optic and subtle appearance without compromising on optimising room acoustics.

Technical properties

Building material class	A2-s1, d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Forms	rectangular
Dimensions	1200 x 300 mm, 1200 x 600 mm, other dimensions on request
Thickness	50 mm
Weight / baffle max. size	1200 x 300 mm: 3.0 kg, 1200 x 600 mm: 6.2 kg
Frame material	aluminium
Frame colour	white, RAL colours
Surface / Colour	fleece-coated white
Fixing	cable suspension, industrial system, grid system (not included in the delivery)



THERMATEX® Baffle Colour



In addition to acoustic optimisation, THERMATEX® Baffle Colour offers a wide range of design possibilities. The front faced acoustic fleece is available in different colours and can be combined in any way giving every room a unique, distinctive design and fulfilling the highest room acoustic requirements.

Technical properties

Building material class	A2-s1, d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Forms	rectangular
Dimensions	1200 x 300 mm, 1200 x 600 mm, other dimensions on request
Thickness	50 mm
Weight / baffle max. size	1200 x 300 mm: 3.0 kg, 1200 x 600 mm: 6.2 kg
Frame material	aluminium
Frame colour	white, RAL colours
Surface / Colour	fleece-coated coloured
Fixing	cable suspension, industrial system, grid system (not included in the delivery)



THERMATEX® Baffle Exclusive



THERMATEX® Baffle Exclusive products open up a new level of quality in terms of design and aesthetics. The highly absorbing baffle system does not just provide excellent room acoustics, but also offers an almost infinite number of possibilities for lively and modern interior design. The fleece-coated surface decor can be printed to your requirements offering a high degree of individuality and design freedom.

Technical properties

Building material class	A2-s1, d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Forms	rectangular
Dimensions	1200 x 300 mm, 1200 x 600 mm, other dimensions on request
Thickness	50 mm
Weight / baffle max. size	1200 x 300 mm: 3.0 kg, 1200 x 600 mm: 6.2 kg
Frame material	aluminium
Frame colour	white, RAL colours
Surface / Colour	fleece-coated graphic print
Fixing	cable suspension, industrial system, grid system (not included in the delivery)



AMF Line; wall absorbers – Wall mounted acoustic designs

Acoustic elements on the wall – Improve the acoustic environment

To achieve the highest possible acoustic quality in rooms. It can be highly advantageous to have sound absorption on the wall as well as the floor and ceiling. Rooms that are well designed in terms of acoustics can enable easier communication, better privacy and offer an enhanced feeling of peace. A suspended ceiling contributes greatly to the room acoustics. In some cases, the ceiling area is insufficient to create optimum room acoustics. There are also situations where an acoustic ceiling is not possible due to technical, architectural or conservation reasons. Typical examples are historic buildings with stucco and frescoes, rooms with visible ceiling elements such as wood or buildings utilising exposed concrete as thermal mass.

Wall absorbers can be highly advantageous in many situations to significantly improve the acoustic performance of a room.

Typical wall absorber applications

■ PUBLIC BUILDINGS

- Class rooms
- Lecture theatres
- Waiting areas
- Cinemas
- Restaurants
- Show rooms

■ OFFICE BUILDINGS

- Offices
- Open plan offices
- Foyers
- Meeting rooms



Wall mounted acoustic designs: AMF Line

Walls contribute significantly to the character of a room and provide options for interior design. The new AMF Line wall absorbers complement our acoustic ceiling range to provide an enhanced range of acoustic and design options.

The AMF Line wall absorbers are available in various designs and can be used as exciting design elements. Creativity knows no limits: A variety of frame types, sizes and many surface designs, including custom bespoke options, make the AMF Line wall absorbers ideal for almost any application without compromising form or function.

AMF Line wall absorbers are available in three types.

Basic features of the AMF Line wall absorber*

- Reduce drone effects and flutter echoes
- Assists optimum room acoustics
- Kombimetall variant suitable as magnetic notice board
- Individually customisable in size and design
- Allows exciting interior design
- Quickly and easily installed

* depending on type

AMF Line Modern

AMF Line Modern consists of a mineral tile with an aluminium frame.

The fleece-coated surface of AMF Line Modern is white as standard, but can be ordered in any colour or printed with custom graphics. The wall panel is delivered in one piece ready for installation and is simple to install using the included eccentric screw and installation spanner. The construction of the panel ensures very high levels of acoustic absorption.

Technical data

Building material class	A2-s1,d0 according to EN 13501-1
Sound absorption	EN ISO 354
Humidity resistance	Up to 95% relative humidity
Surface finish	Fleece-coated white or printed
Usable tile types	THERMATEX® Alpha, Edge SK
Tile size	Width max. 2400 mm, Height max. 1200 mm
Frame size	600 mm x 1200 mm, 1200 mm x 1200 mm, 1200 mm x 1800 mm, 1200 mm x 2400 mm, special sizes on request
Frame thickness	43 mm
Frame colour	Untreated anodised aluminium E6-EV1
Weight	600 mm x 1200 mm: approx. 5 kg/piece 1200 mm x 1200 mm: approx. 9 kg/piece 1200 mm x 1800 mm: approx. 16 kg/piece 1200 mm x 2400 mm: approx. 25 kg/piece



AMF Line Style

AMF Line Style is an individually printable fabric covering with an aluminium frame. The aluminium frame is provided with an all-round groove into which the printed fabric is inserted. The fabric covering can be easily removed and exchanged for a new design easily, without special tools.

Three frame depths are available, providing different levels of acoustic absorption.

- Basic light: Lightweight profile for one-sided coverings in small sizes
- Basic ES: Profile for all sizes with one-sided coverings
- Basic DS: Profile for wall panels with double-sided coverings and highly absorbing acoustic fillings

Technical data

Sound absorption	EN ISO 354
Surface finish	Fleece white or printed
Usable tile types	Foam sheets as absorbing tiles
Frame size	Unlimited
Frame thickness	Basic light: 20 mm Basic ES: 26 mm Basic DS: 49 mm
Frame colour	Untreated anodised aluminium E6-EV1
Weight	Basic light: approx. 3 kg/m ² Basic ES: approx. 5 kg/m ² Basic DS: approx. 6 kg/m ²





AMF MONDENA – „durable and timelessly elegant“

With the introduction of the new product brand AMF MONDENA, the metal ceiling offering from Knauf AMF are receiving recognition and significant expertise. The product range varies from square lay-in systems through free-span corridor ceilings right up to specialised individual solutions. With 19 different perforation patterns and a wide range of RAL colours, Knauf AMF is starting its own generation of metal ceiling products.

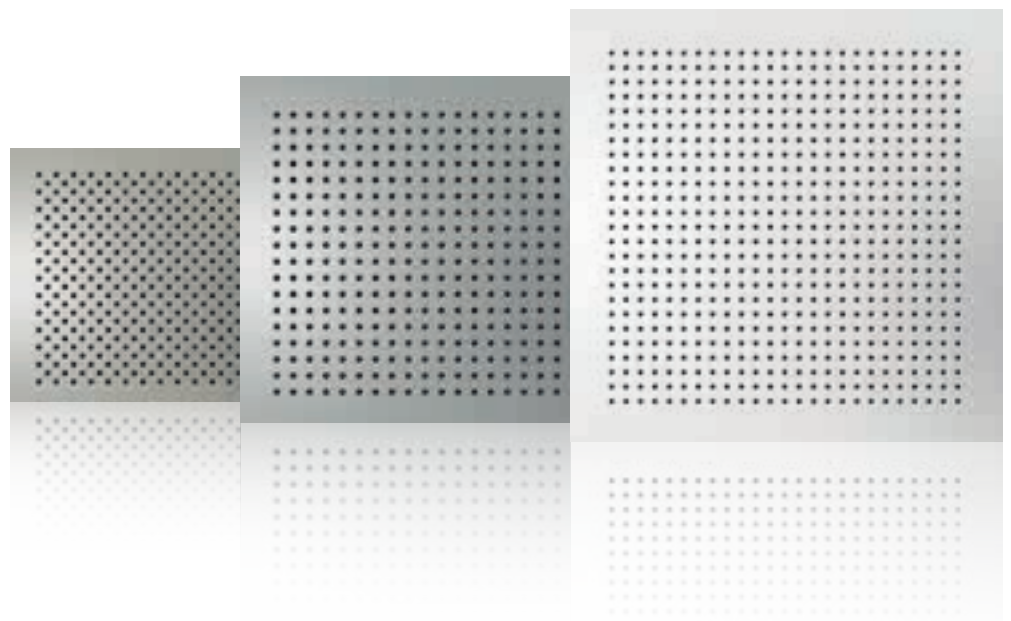


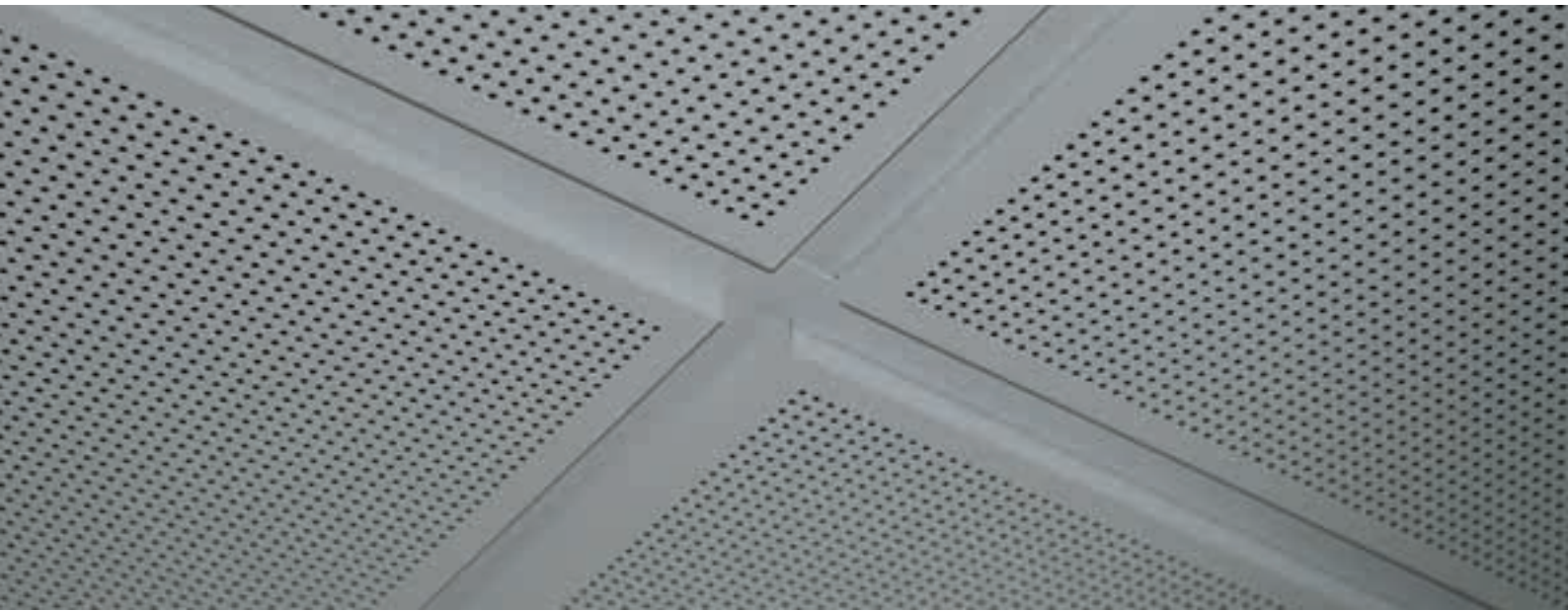
For decades, metal ceilings have been an integral part of the world of modular ceilings. Characteristic metal material properties such as durability, high stability, resistance to odours, functional aesthetics, ease of cleaning and individual design options have helped metal ceilings gain a continuous, high-end image.

In particular the distinct system access and customised system solutions have influenced the unique selling points of metal ceilings and promoted the development as a specification product.

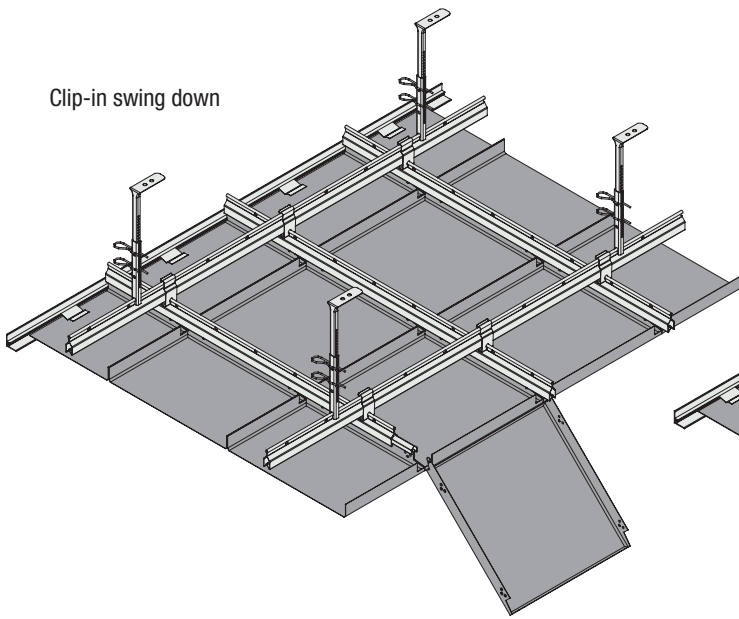
With the ambition of complete system solutions expertise from one source and as a pro-active specification specialist, Knauf AMF is making a clear commitment to long-term innovation of metal ceiling solutions with AMF MONDENA.

AMF MONDENA – the metal ceiling solution from Knauf AMF!

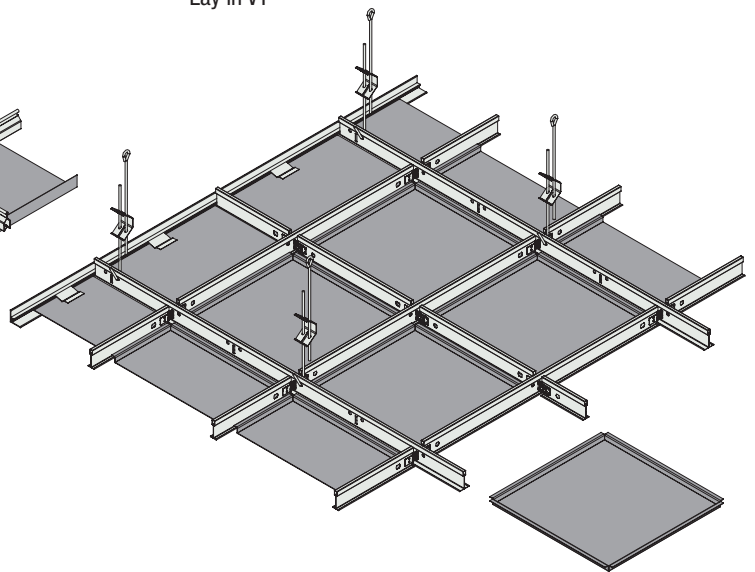




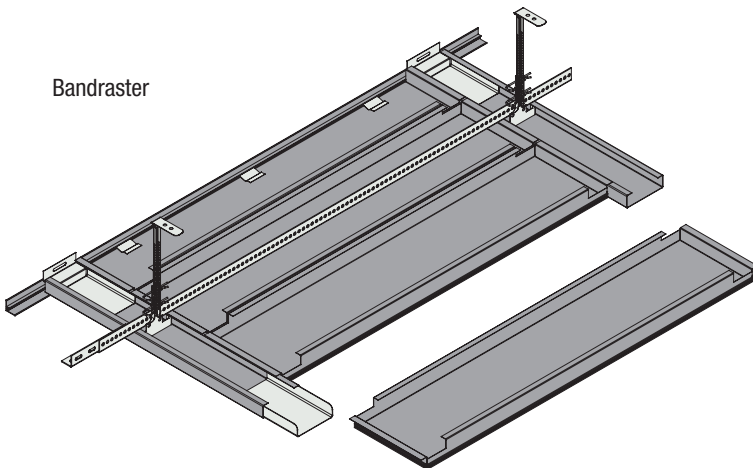
Clip-in swing down



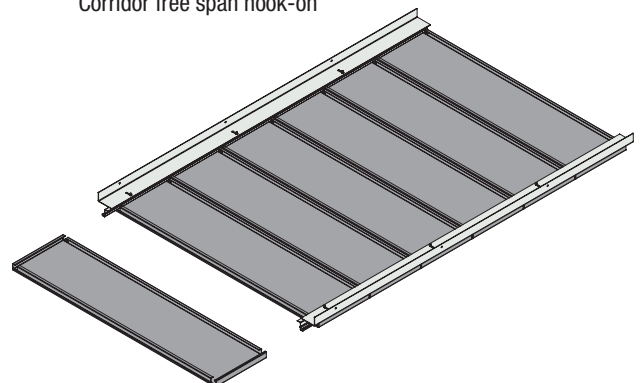
Lay in VT



Bandraster



Corridor free span hook-on





AMF TOPIQ® – the new soft fibre ceiling tile from Knauf AMF

With the launch of our soft fibre product range, Knauf AMF enhances our position as a complete system solutions provider for modular suspended ceilings. The features and technology of **AMF TOPIQ®** offer further evidence of our reputation as an established innovator in suspended ceilings, whilst at the same time strengthening our approach to application orientated solutions.

The technology of the product brand **AMF TOPIQ®** is based on fleece laminated stone wool tiles, finished on all sides for a diverse range of room requirements. As standard, the finish consists of a fleece coating on both sides with the face and edge areas additionally provided with a high quality colour coating.

The products in the soft fibre board range impress primarily with their low weight, easy handling, durability and excellent humidity resistance and sound absorption performance.

The AMF TOPIQ® Startup Package:

Functionality and Acoustics

- TOPIQ® Prime
- TOPIQ® Efficient pro

Hygiene and Acoustics

- TOPIQ® Efficient pro Hygena

Ceiling rafts and Design

- TOPIQ® Sonic element

Product properties and advantages

- High sound absorption
- Low weight
- Easy installation and handling
- Reversible
- Excellent humidity resistance
- Easy to clean

TOPIQ® Sonic element



The frameless and jointless ceiling raft, **TOPIQ® Sonic element**, featuring the **AMF TOPIQ® Strong Edge Technology**, also benefits from fully colour coated face and reverse laminate fleece. The monolithic ceiling raft design has excellent sound absorption properties and when installed gives the appearance of a free floating simple form.

Technical Performance

Sound absorption	EN ISO 354
Humidity resistance	up to 95% relative humidity
Form/ size	Circular up to Ø 1200 mm Square up to max. 1200 x 1200 mm Rectangular up to max. 1800 x 1200 mm Oval up to max. 1800 x 1200 mm
Thickness	approx. 40 mm
Weight /raft	approx. 6.0 kg/m ² (including suspension)
Installation set	Spiral anchor (included in delivery) Installation set SAE-GHD-1 (optional)



*AMF TOPIQ® Strong Edge Technology



Cable length 1.0 m
Working load 15.6 kg

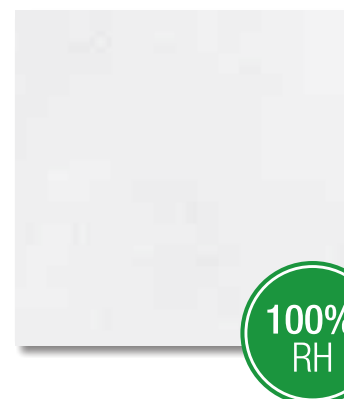
TOPIQ® Prime $\alpha_w = 0.95$



TOPIQ® Prime combines excellent technical performance with simple elegance. Offering class A sound absorption with high humidity resistance good sound attenuation.

Technical Performance

Sound absorption	EN ISO 354 $\alpha_w = 0.95$ according to EN ISO 11654 $NRC = 0.90$ according to ASTM C 423
Humidity resistance	up to 100% relative humidity
Building material class	A1 according to EN 13501-1
Light reflection	For white similar to RAL 9010 glare-free approx. 88%
Colour	White similar to RAL 9010



System **C** Exposed system, tiles demountable

TOPIQ® Efficient pro $\alpha_w = 1.00$



TOPIQ® Efficient pro provides the highest possible class A sound absorption with high humidity resistance and different coating options.

Technical Performance

Sound absorption	EN ISO 354 $\alpha_w = 1.00$ according to EN ISO 11654 $NRC = 0.95$ according to ASTM C 423
Humidity resistance	up to 100% relative humidity
Building material class	A1 according to EN 13501-1
Sound attenuation	$D_{n,f,w} = 25$ dB according to EN ISO 10848
Light reflection	For white similar to RAL 9010 glare-free approx. 88%
Colour	White similar to RAL 9010 Black similar to RAL 9004 (only for SK edges available)



System **C** Exposed system, tiles demountable

TOPIQ® Efficient pro Hygena $\alpha_w = 1.00$



TOPIQ® Efficient pro Hygena offers the same excellent performance as TOPIQ® Efficient pro with the added benefit of superior hygiene properties. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi).

Technical Performance

Sound absorption	EN ISO 354 $\alpha_w = 1.00$ according to EN ISO 11654 $NRC = 0.95$ according to ASTM C 423
Humidity resistance	up to 100% relative humidity
Building material class	A1 according to EN 13501-1
Sound attenuation	$D_{n,f,w} = 25$ dB according to EN ISO 10848
Light reflection	For white similar to RAL 9010 glare-free approx. 88%
Colour	White similar to RAL 9010



System **C** Exposed system, tiles demountable



HERADESIGN® acoustic solutions reduce all disturbing background noise. Well, almost all. Because there can be sources of noise that even we are powerless to control. Not all nuisances are obvious nor do they all result from noise. For a pleasant, positive room ambience it is not only important what we hear, but in particular what we feel.

HERADESIGN® has been dealing with the complexities of acoustics for decades. Besides the study of noise and acoustics, for us this means the development of sustainable, acoustically optimised solutions. Acoustics is one of the most important factors on the well-being, mood and temper of people – even if they are not aware of it.

HERADESIGN® produces, develops and distributes high-class acoustic systems based on wood wool for ceiling and wall installations. These excel through a unique, timeless design character and a multitude of creative options. The high quality and ‘warm’ character of the wood wool structure makes our products unmistakable. Deep knowledge, decades of experience and the company’s traditional origins combine to provide outstanding acoustic solutions that improve well-being as well as performance. Relaxation and concentration lead to success!

The main fields of application of the HERADESIGN® acoustic systems are education, sports, office, infrastructure, entertainment and recreational facilities.

Colours

It is not just the quality of acoustics which is important to us – we also offer great solutions for the eye. The typical, stable surface texture of the wood wool panels is perfect for creative design and colouring. An almost unlimited range of colours is available – you can choose almost any colour from popular colour systems such as RAL, NCS or StoColor. Silicate paints based on potassium silicate and an organic binding agent are used to colour the HERADESIGN® acoustic panels in white, pastel shades or solid colours. What’s more, great effects can be achieved with the twelve trendy metallic colours. We also offer a special colour quality standard for application in indoor swimming pools, semi-outdoor, etc.



Product Range							
			<i>macro</i>	<i>fine</i>	<i>superfine</i>	<i>micro</i>	<i>plano</i>
Nominal size mm (further sizes on request)	600 x 600 mm		•	•	•	•	•
	625 x 625 mm		—	•	•	•	—
	1200 x 600 mm		•	•	•	•	•
	1250 x 625 mm		—	•	•	•	—
Panel thicknesses	1-layer	15 mm	—	•	•	—	—
		25 mm	•	•	•	•	
		35 mm	—	•	•	•	—
	2-layers	40 mm (15/25)	—	—	—	—	—
		50 mm (25/25)	—	—	—	—	—
		55 mm (15/40)	—	—	—	—	—
		65 mm (25/40)	—	—	—	—	—
	Reaction to fire according to EN 13501-1: B-s1, d0		•	•	•	•	•
Reaction to fire according to EN 13501-1: A2-s1, d0		—	—	—	—	—	
Sound absorption value							
Weighted sound absorption coefficient α_w		up to 0.70	up to 0.90	up to 1.00	up to 0.55	up to 0.35	
Noise reduction coefficient <i>NRC</i>		up to 0.75	up to 0.95	up to 1.00	up to 0.60	up to 0.35	
Product declaration							
WW-EN 13168-L3-W2-T2-S3-P2-CS(10)200-CI3		•	•	•	•	•	
WW-EN 13168-L3-W2-T2-S3-P2-CS(10)20-TR5-CI3		—	—	—	—	—	
Certificate of constancy of performance		0751-CPR-209.0-01					
Standard colours		White, similar to RAL 9010 / beige – natural tone 13 (further shades available from colour systems such as RAL, NCS, BS or StoColor)					
Areas of application		Suitable for rooms with constant relative humidity of up to 90%. Application in rooms with relative humidity higher than 80% should be discussed with a structural engineer.					

Product attributes



Open and smooth surface structure



Long-lasting Durability



Dimensional accuracy and tolerances



Humidity and climate regulation



Various Edge design



Light Shrinkage behaviour



Sound absorption up to $\alpha_w = 1,0$



Nature meets trend – non-toxic, organic building material



Reaction to fire – non-combustibility A2



High-quality and sustainable raw materials



High mechanical strength



Product portfolio endless scope of design

Heradesign® *macro*

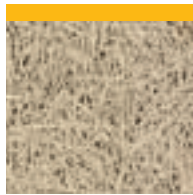
Heradesign® *fine*
Heradesign® *fine A2*

Heradesign® *superfine*
Heradesign® *superfine A2*

Heradesign® *micro*

Heradesign® *plano*

Heradesign® *plus*



1-layer magnesite bonded wood wool acoustic panel (fibre width approx. 3 mm)

1-layer magnesite bonded wood wool acoustic panel (fibre width 2 mm)

1-layer magnesite bonded wood wool acoustic panel (fibre width approx. 1 mm)

1-layer magnesite bonded wood wool acoustic

1-layer magnesite bonded wood wool acoustic

Composite product consisting of a magnesite bonded wood wool acoustic panel and a mineral wool absorber

Abbreviation	Design	Description of the edge	HERADESIGN®												Recommended section width ⁶⁾ Comments	Grid dimensions ²⁾ L/W mm	Panel dimensions L/W mm					
			HERADESIGN® <i>macro</i> ¹⁾		HERADESIGN® <i>fine</i>		HERADESIGN® <i>superfine</i>		HERADESIGN® <i>micro</i>		HERADESIGN® <i>plano</i> ⁷⁾		HERADESIGN® <i>fine A2</i> ⁸⁾					HERADESIGN® <i>superfine A2</i> ⁹⁾				
			25	15	25	35	15	25	35	25	35	25	35	25	15	25	15	25	mm			
System edges: screw mounting																						
GK		straight edge on all sides	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	1) 3)	600/600 1200/600	600/600 1200/600
AK-00		bevelled on long sides, 5 mm bevel, straight edge on the face side	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
AK-01		edge bevelled on all sides, 5 mm bevel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
AK-02 /5		straight edge with shiplap on all sides, 5 mm joint width	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
AK-02 /10		straight edge with shiplap on all sides, 10 mm joint width	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
AK-02 /20		straight edge with shiplap on all sides, 20 mm joint width	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
AK-03		shiplap on all sides with bevelled edge, 5 mm bevel, 20 mm joint width	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	600/600 625/625 1200/600 1250/625	600/600 625/625 1200/600 1250/625
VK-12		shiplap all round on alternating sides with bevelled edge, 5 mm bevel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	60	3)	1190/590 1240/615	1200/600 1250/625
System edges: HERADESIGN® Exposed Grid System 24/38, insertion installation																						
SK-04		straight edge on all sides	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	24	2) 4) 6)	600/600 625/625 1200/600 1250/625	594/594 619/619 1194/594 1244/619
SK-05		straight edge with shiplap on all sides	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	24	2) 4)	600/600 625/625 1200/600 1250/625	594/594 619/619 1194/594 1244/619
SK-06		shiplap on all sides with bevelled edge, 5 mm bevel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	24	2) 4)	600/600 625/625 1200/600 1250/625	594/594 619/619 1194/594 1244/619
System edges: HERADESIGN® Concealed Grid System 35/38, slide-in installation																						
VK-09		grooved and bevelled on all sides, 5 mm bevel Note: The system can be disassembled!	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	35	3) 5)	600/600 1200/600	600/600 1200/600
VK-10		grooved on long sides and bevelled on all sides, 5 mm bevel Note: The system can be disassembled!	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	35	2) 3) 5)	600/600	600/615 1200/615
VK-10 /5		grooved on long sides and straight edge on all sides with 5 mm bevel all round Note: The system can be disassembled!	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	35	2) 3) 5)	600/600	600/615 1200/615
System edges: special installation (special sections)																						
SY-02		for HERADESIGN® holding profiles, grooved on long sides and bevelled on all sides, 5 mm bevel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	35	3)	600 625	600/600 625/625 1200/600 1250/625
SY-03		for concealed top hat sections straight edge on all sides with 5 mm bevel all round	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	12	2) 4)	600/600 625/625 1200/600 1250/600	600/595 625/620 1200/595 1250/620
SK-08		for visible top hat sections straight edges on long sides, bevelled edges on the face side	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20	2) 4)	620 645	600/595 625/620 1200/595 1250/620

1) The straight edge is not an exposed edge: only produced at the request of the customer (max. panel width 600 mm).
 2) The billing dimensions or the ordering dimensions are always the grid dimensions.
 3) Installation pattern in cross joints requires careful installation, because four panel edges have to meet at one point.
 4) The panel dimensions are smaller than the grid dimensions.
 5) Special formats only on request. For lengths of over 1800 mm, please contact customer services.

6) Products of 15 mm thickness are only available in the sizes 600/600 or 625/625.
 7) Panel width max. 600 mm.
 8) For screw mounting, the section width also applies to the wooden substructure.
 9) For HERADESIGN® *plano*, the bevel at the AK-01, SK-06, VK-09, SY-02 edges is only 3 mm.

AMF VENTATEC®

... bear and square!



The new t-grid for AMF ceiling systems

The new grid system from Knauf AMF is here!

MADE IN GERMANY

You have the choice - Choose the design that meets your requirements
VENTATEC® combines the highest quality with flexibility in construction and logistics, to save you time and money.

Precision manufactured using state of the art machinery and top quality materials, to ensure that the grid has a consistently high quality.

As a system manufacturer, we deliver ceiling tiles and grid

- from one source
- combining technical with performance
- optimising logistics

VENTATEC® - The optimised grid system

Performance T24	Height	Length
Main Runner	38 mm	3600 / 3750 mm
Long Cross Tee	33 mm	1200 / 1250 mm
Short Cross Tee	33 mm	600 / 625 mm

Available as

- Click-System (joggled) 600 x 600 mm and 625 x 625 mm
- Click-System (butt-cut) 600 x 600 mm and 625 x 625 mm

Colour similar to RAL 9010

Building material class A1 as per EN 13501-1

- Optimised cross sections for high loading capacity
- Height reduction of the long cross tee saves weight
- Optimised stability for all common installations of acoustic suspended ceilings

VENTATEC® - Fine and elegant

Performance T15 - HIGH	Height	Length
Main runner	38 mm	3600 / 3750 mm
Long cross tee	38 mm	1200 / 1250 mm
Short cross tee	38 mm	600 / 625 mm

Available as:

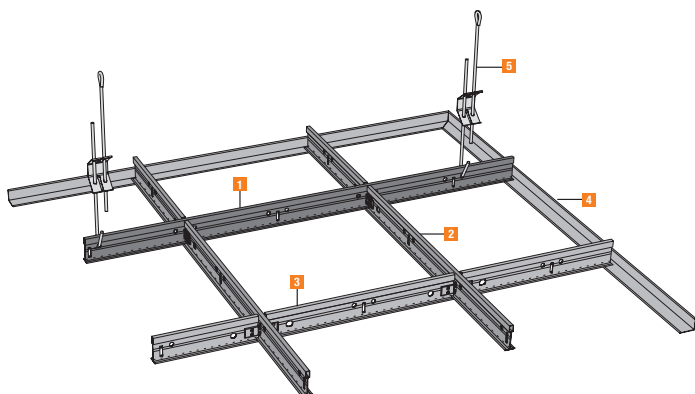
- Click-System (butt-cut) 600 x 600 mm and 625 x 625 mm

Colour similar to RAL 9010

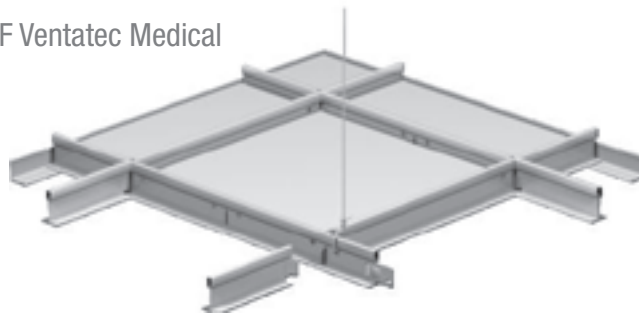
Building material class A1 as per EN 13501-1

- High stability system with a finer, more elegant appearance with 15 mm visible width
- High loading capacity due to the 38 mm height of the main and cross tees

- 1 Main runner
- 2 Cross tee long
- 3 Cross tee short
- 4 Perimeter trim
- 5 Hanger



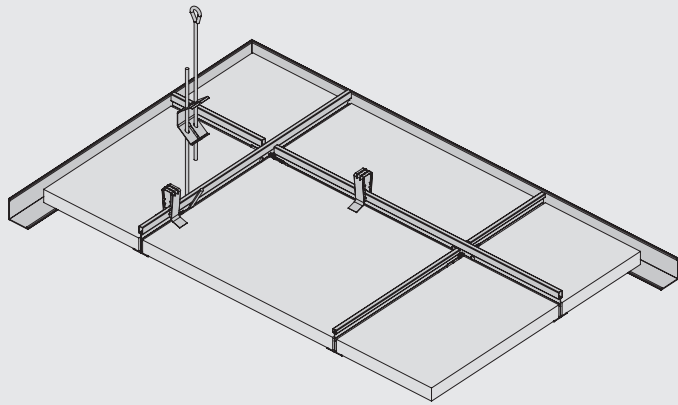
AMF Ventatec Medical



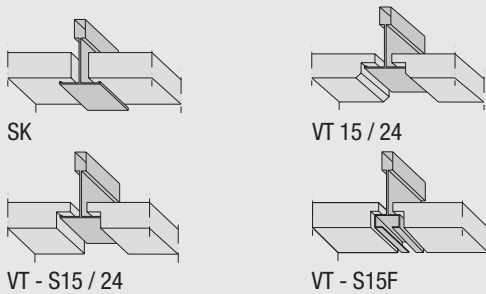
max. load following EN 13964 (kg/m²)			
Modulation	Deflection table		
	2,5 mm	3,3 mm	4 mm
600 x 600	6,6	8,9	11
600 x 1200	7,2	9,6	11,8
625 x 625	5,3	7,2	8,9
625 x 1250	5,8	7,8	9,5

SYSTEM **C** EXPOSED GRID SYSTEM

System C utilises the popular exposed suspension grid as a proactive element in ceiling design. Square edged (SK) ceiling panels are laid into the grid and give a flush visual appearance. Tiles with recessed edges (VT) allow greater creative design options with both 24 and 15 mm wide tee sections. System C is quick and easy to install, and simple to access for maintenance in the ceiling void. Worldwide test reports and certificates demonstrate that AMF System C is an exceptional ceiling construction.



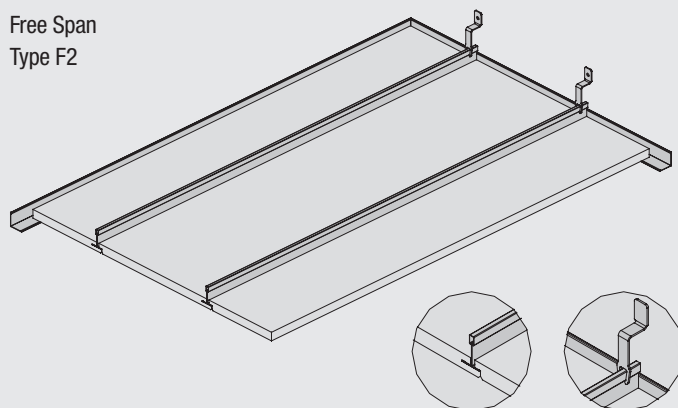
Edge details



SYSTEM **F** FREE SPAN SYSTEM

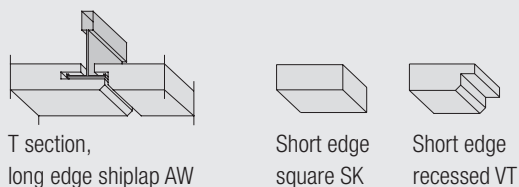
System F is a free span ceiling system that is ideal for corridors. Ceiling planks are supported on their short edges by perimeter trim and can span up to 2500 mm. The finished ceiling has a smooth, monolithic appearance and is easy to install and maintain. Depending on the type of construction required the planks can be demountable, allowing full access to the ceiling void; or non-accessible.

Free Span Type F2



Edge Details

demountable

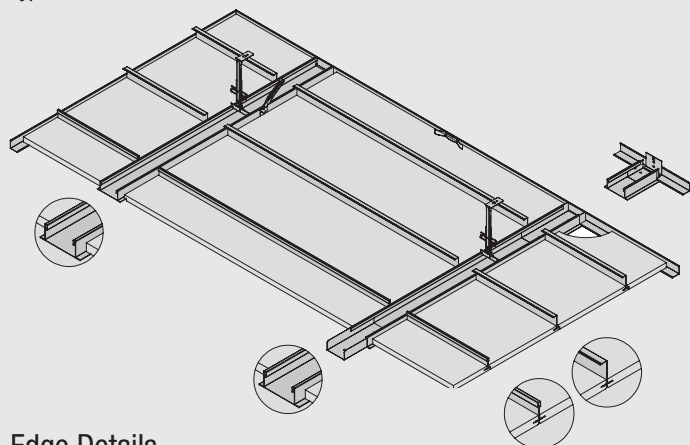


SYSTEM I BANDRASTER SYSTEM



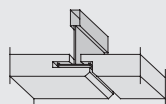
By using Bandraster grid System I offers parallel suspension sections that can be adapted to the architecture of the building. Light-weight partitions can be installed under the Bandraster sections. Lateral bracing is achieved with either exposed or concealed sections. Ceiling planks can be made either demountable or non-accessible.

Parallel Bandraster Construction
Type I2



Edge Details

demountable



T section,
long edge shiplap AW



Short edge
square SK



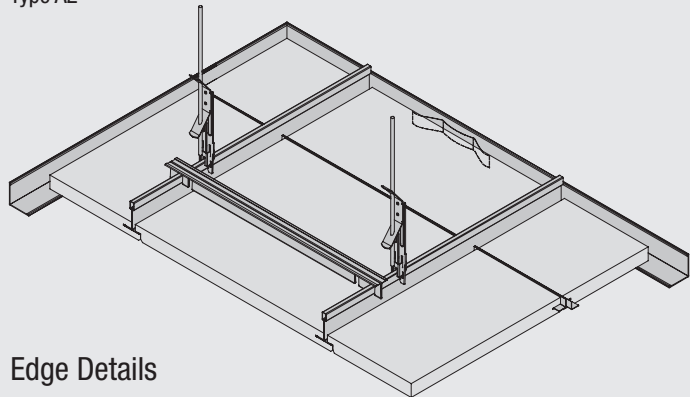
Short edge
recessed VT



SYSTEM A CONCEALED SYSTEM

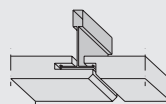
System A creates a smooth monolithic appearance that is achieved by concealing the metal suspension components. Ceiling tiles can be either demountable or non-accessible depending on requirements.

Concealed Grid Construction
Type A2

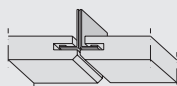


Edge Details

demountable



T section,
long edge shiplap AW



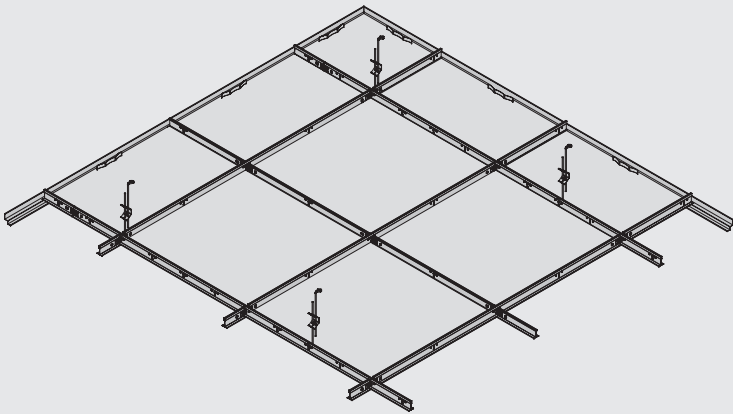
L sections,
short edge concealed GN



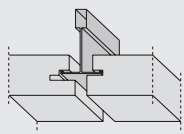


SYSTEM **C** EXPOSED SYSTEM

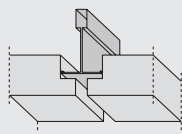
As grid structure for THERMATEX® SF Acoustic



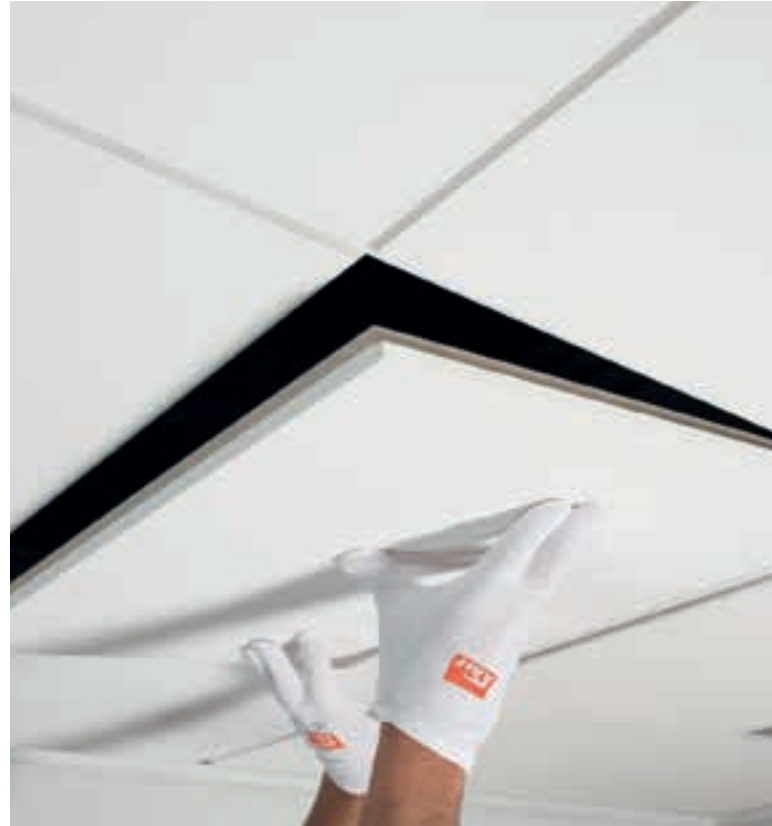
Edge details



SF (long edge)



SF (short edge)



Construction

The grid structure of the acoustic ceiling THERMATEX® SF Acoustic is concealed. The special edge detail completely conceals the grid construction, except for a 7 mm wide shadow gap. At the same time, installation remains easy. The tiles are pushed into a conventional grid structure consisting of T24 profiles from below. Thus, the ceiling achieves minimal installation heights (from 75 mm) and is particularly suited for use in refurbishment projects.

A very homogenous appearance can be achieved as the ceiling face is only broken by the narrow shadow gaps.

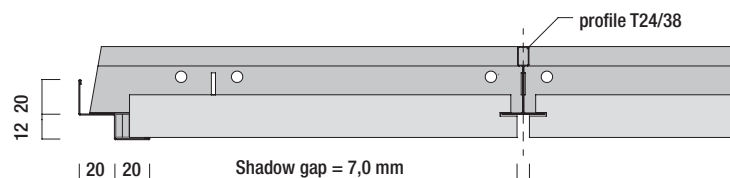
Product and surface designs

- THERMATEX® SF Acoustic
- THERMATEX® Varioline SF

Advantages of THERMATEX® SF Acoustic

- Elegant appearance
- Minimal installation height (from 75 mm, variable dependent on hanger)
- Simple access
- High quality ceiling tiles
- Good sound attenuation, $D_{n,f,w} = 38$ dB as per EN 20140-9

Cross-section of wall connection and joint width



The THERMATEX® Medical Range for healthcare facilities

Depending on the risk of infection present, rooms can be divided into different groups. The products stated here are examples and recommendations. The ceiling to be installed is to be specified dependent on the actual room situation and its requirements.



A Area A
low hygienic relevance

- Offices/administrative areas
- Foyers
- Corridors



B Area B
average hygienic relevance

- Examination rooms
- Laboratory areas
- Patient rooms
- Sanitary rooms
- Kitchen areas
- Bathrooms



C Area C
high hygienic relevance

- Operating theatres
- Intensive care



Fire protection

Whether you require a fire resistant construction or a fire protective ceiling, Knauf AMF offers different system solutions for both structural and independent fire protection. They contribute to fire protection whilst harmoniously integrating into the room concept design.



Hospital St. Angers,
France

Fungistatic

Low VOC

Recycled Content

Product Warranty

Humidity Resistant

Anti Microbial

Sealed edges

Fully Recyclable

Fire Resistance



AMF THERMATEX® surfaces	Class A	Class B	Class C	Surface	Hygiene (ASTM G21 / G22)	Cleanroom classification (ISO 14644-1)	Scrubability (ASTM D-2486) modified	Washability (ASTM D-4828) modified	Humidity	Permeability (DIN 18177)	Sound absorption (EN ISO 354)	Sound attenuation (as per ASTM E413-1/E1264 or EN ISO 10848)	Building material class (EN 13501-1/-2)
THERMATEX® Aquatec Medical (19 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	ISO 3	✓	✓	up to 100 % RH	PM1 (≤ 30 m³/hm²)	α _w = 0.90 NRC = 0.90	28 dB CAC	A2-s1, d0
THERMATEX® dB Aquatec Medical (19 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	-	✓	✓	up to 100 % RH	PM1 (≤ 30 m³/hm²)	α _w = 0.70 (H) NRC = 0.70	37 dB D _{nfw}	A2-s1, d0
THERMATEX® Alpha Medical (19 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	ISO 4	✓	✓	up to 95 % RH	PM1 (≤ 30 m³/hm²)	α _w = 0.95 (H) NRC = 0.90	28 dB D _{nfw}	A2-s1, d0
THERMATEX® dB Alpha Medical (22 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	-	✓	✓	up to 95 % RH	PM1 (≤ 30 m³/hm²)	NRC = 0.80	40 dB CAC	A2-s1, d0
THERMATEX® Acoustic Medical (19 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	ISO 4	✓	✓	up to 95 % RH	PM1 (≤ 30 m³/hm²)	α _w = 0.65 (H) NRC = 0.70	38 dB D _{nfw}	A2-s1, d0
THERMATEX® dB Acoustic 24 Medical (24 mm Thickness)				fleece facing	anti-microbial treatment against bacteria and fungi	-	✓		up to 95 % RH	PM1 (≤ 30 m³/hm²)	α _w = 0.65 (H) NRC = 0.70	42 dB CAC	A2-s1, d0

AMF GCC reference projects



U.A.E.

Dubai Airport Terminal 2
Abu Dhabi Future Schools – Phase 3
Nilona Towers
Borrouge Innovation Centre, Ruwais
Mafraq Dialysis Centre
Sofitel, Palm
Court house complex
Concourse III , Dubai Int'l Airport
Khalifa Port
Commercial Office , Academic City
Presidential Palace
German School
Manipal University
Dubai Airport Free Zone Authority
Motor City Community
Mirdiff Villas
LOB 16, JAFZA
Al Musallah Towers
Capricorn Tower
U-Bora Towers
Dubai Metro Green Line
Al Hamriya Free Zone
World Central Airport – Maktoum International
GEMS Wellington School
Meydan Race Course
Al Ghandi Showroom
Ferrari World Experience
Abu Dhabi School
Nation One Towers
Zayed University
Landmark Group Corporate Offices
Arzanah Medical Complex
Citibank
Dubai School College
Dubai Silicon Oasis
Gulf News Building
Horse Quarantine – Airport Expansion
Al Habtoor Resort
First Gulf Bank Arena
Ghayati Community Hospital
Dubai Airport Expansion
Al Silaa Hospital
Tawam Hospital
DHCC Hotel
Shuwamekh School – Abu Dhabi Future Schools (Phase4)
Al Shuwaib School
Abu Dhabi Future School – Package 5
Al Wagan Hospital
Meydan Racecourse
Al Amal Psychiatric Hospital
University of Dubai
IKEA Distribution Center at DWC
Supreme Council
Iranian School
Dubai International Airport - Concourse D
National Rehabilitation Centre
Shoba Hartland School
Bollywood Theme Park
FGB Arena

QATAR

Qatar Petroleum Headquarters
ABM Military College
Royal Plaza
Al Jabor Office Building
Rasgas
Senior Club at Ras Gas at Al Khor
Intercontinental Hotel
Ghuwairiyah School
Qatar Petroleum PS 4 Offshore Drilling
Ras Laffan
D.C Foxhill
Doha North Sewage Treatment
Globex
Ministry of Interiors
Armed Forces
Naufar
Family Consulting Centre
HMC Orthopedic Clinic
T.B Unit
Al Meera Store
Health and Wellness Centre
Palestinian School
Al Banda Milk Factory

SAUDI ARABIA

Abalkhair Business Centre
Technical College (Phase 1&2)
Abdul Aziz A.Aba Alkhail Commercial Offices
King Abdul Aziz University (Phase 1)
King Fahad Military Hospital
Technical & Vocational Training Corporation
Security Unit & Security Forces (Package 4)
Tarouk Hospital
Al Mana Hospital
ITCC Towers (Phase 1&2)
IKEA Store
Petrokemia
Al Dara Hospital Riyadh
Al Rajhi Bank Riyadh
KAP-4

OMAN

Sultan Qaboos University
Muscat International Airport
Knowledge Of Muscat (KOM)
Oman Botanical Garden
Ministry of Legal Affairs
Military Training College
Jabal Al Akhdar Resort Hotel
Construction of TRA HQ
Data Centre – Suhail Bahwan Group
Oman Medical College
City Centre Cinema

KUWAIT

Coast Guard Headquarter
Union Co-operative Society
BMW Showroom
Al Hamra & Firdous Mixed Use Development
Safat American Hospital
National Guard Kuwait City
360 Mall Kuwait City
Bader Al Mulla Secondary School
Secondary Schools Kuwait City
KNPC Kuwait City
LSC Offices Kuwait City
College for Women
College for Business
Kuwait University, College of Business
Kuwait University, College of Women
Mussaed Al-Saleh Health Center (Moh project)

BAHRAIN

Saint Chistopher School (Phase 1 &2)
Kempinski Hotel at Bahrain City Centre
Hawar International School - Riffa
Al Ruwad School - Hamala
Sofitel Resort Hotel
Standard Chartered Bank
Bahrain Financial Harbour
GEMS Building at HIDD
Sofitel Resort Hotel - Zallaq
WWTP – BAPCO - Awali



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www.heradesign.com

The acoustic ceiling specialist Knauf AMF, with its global sales and service network, offers on-site, solution orientated and timely advice for architects, specialist contractors, distributors and developers.

With us, you are always a ceiling solution ahead!

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Subject to change without prior notice.

01/2016



The RAL - Quality Mark confirms the consistently high quality of the AMF mineral wool, as well as its biological solubility.



Knauf AMF GmbH & Co. KG. is certified according to ISO 9001, ISO 14001 and ISO 50001.