

PERFORMANCE CEILINGS

More scope for innovation



Sound attenuation

$D_{n,c,w} = 38$ dB as per EN 20140-9

Sound absorption

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

$NRC = 0.70$ as per ASTM C 423

THERMATEX SF ACOUSTIC

DESIGN & FUNCTION WITH THERMATEX SF ACOUSTIC

THERMATEX SF Acoustic - The new acoustic ceiling with shadow

This elegant new AMF performance ceiling with the attractive SF shadow edge requires minimal void as the tile is installed purely from below. Installation and removal of the individual tiles is achieved simply by a small shift of the tile along the tee grid. With its invisible perforation THERMATEX SF Acoustic achieves high values in sound absorption and once installed shows a white, homogeneous surface in a discreet module. For more contrast in ceiling design the tile can be installed on grid in various RAL colours.

THERMATEX SF Acoustic also scores well with good technical acoustic properties (α_w -value of 0.65(H) according to EN ISO 11654).

Visual appearance

A very homogenous appearance can be achieved as the ceiling face is only broken by the narrow shadow gaps. This is added to by the plain, white fleece coated surface finish of the tile.

A high contrast, 3D effect can be achieved through the use of dark coloured grid.

Advantages of THERMATEX SF Acoustic

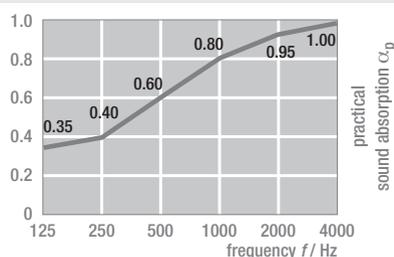
- Elegant appearance
- Minimal void (75 mm or more, depending on hanger)
- Simple access
- Quality ceiling tile
- Good sound attenuation as per $D_{n,c,w} = 38$ dB as per EN 20140-9



Technical performance

Building material class	■ A2-s1, d0 as per EN 13501-1
Sound absorption	■ as per BS EN ISO 354
Sound attenuation	■ $D_{n,c,w} = 38$ dB as per EN 20140-9 (24 mm thickness, as per test report)
Humidity	■ up to 95% RH
Light reflectance	■ up to 88%
Thermal conductivity	■ $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Dimensions	■ 600 x 600 / 625 x 625 mm
Thickness / weight	■ 24 mm (c. 8.4 kg/m ²)
Colours	■ white similar to RAL 9010

Sound absorption
Value for
THERMATEX SF Acoustic
24 mm
 $\alpha_w = 0.65$ (H)
as per EN ISO 11654
 $NRC = 0.70$
as per ASTM C 423
highly absorbing



Shadow edge detail from AMF

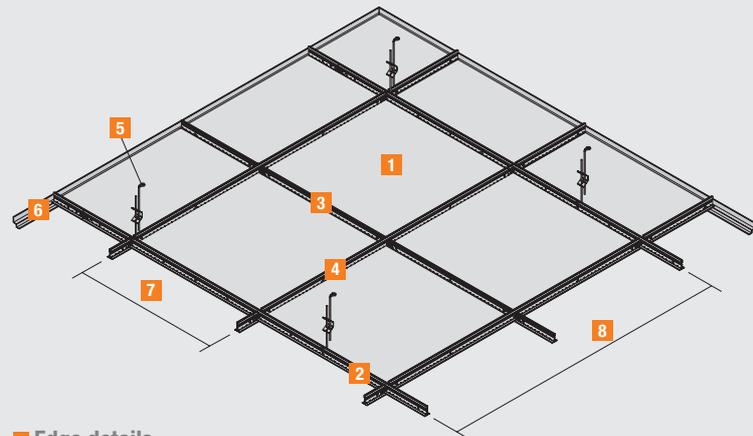


SYSTEM C

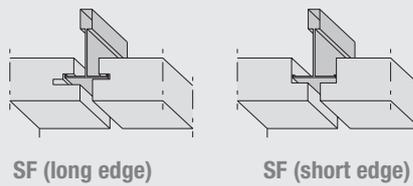
as suspension system for THERMATEX SF Acoustic

- concealed removable construction with shadow gap
- easy and quick installation of suspension system and ceiling tiles
- fast access to the void for maintenance
- international authorisation and certificates

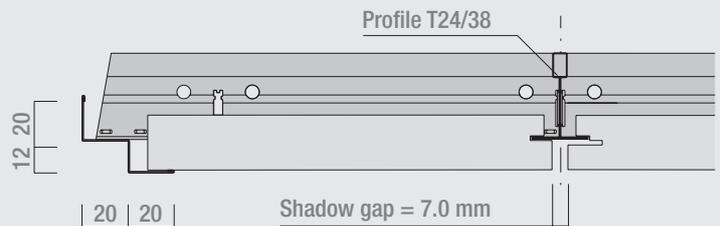
Grid sizes in mm	600 x 600		625 x 625	
	THERMATEX ceiling panels	1 pcs.	2.78	2.56
VENTATEC T-Main runner T24/38-3600 or 3750	2 lin. m	0.84	0.80	
VENTATEC T-Cross Tee T24/33 - 600 or 625	3 lin. m	0.84	0.80	
VENTATEC T-Cross Tee T24/38 - 1200 or 1250	4 lin. m	1.67	1.60	
SoS hanger or alternatives	5 pcs.	0.84	0.80	
RWL perimeter trim 20/20/12/20	6 lin. m	0.60	0.60	
Perimeter wedge (optional)	pcs.	0.60	0.60	
Distance between hangers	7 m	1.00	1.00	
Distance between main runners	8 m	1.20	1.25	
Distance between fixing on wall angles	m	0.40	0.40	



Edge details

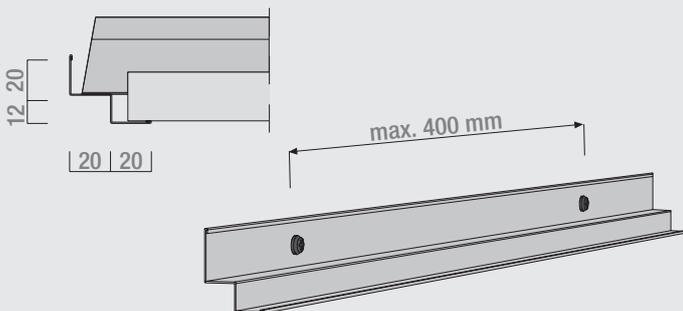


Cross-section wall connection and joint width



For further details regarding this product, please take a look at the installation manual, which can be downloaded under www.amfceilings.com

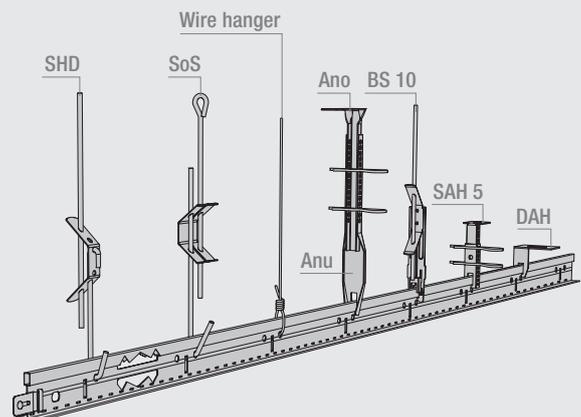
Perimeter trim



The shadow edge perimeter trim with the dimensions 20 x 20 x 12 x 20 mm should generally be fastened by means of approved fixings. In the case of solid walls, the maximum separation between the fasteners should not exceed 400 mm.

Non-flat head screws are unsuitable for fastening as they can cause deformation of the edge strip if not mounted correctly.

Hangers



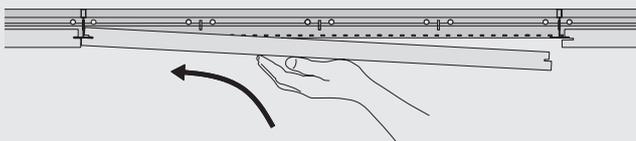
Equivalent, approved hangers can also be used with this system. The choice enables flexibility and ease of installation as particular installations may require butterfly, nonius or direct hangers.



Step-by-step installation and demounting

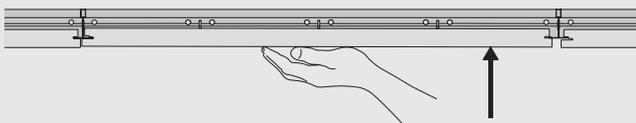
1. Step

Insert the edge with the double notch first.



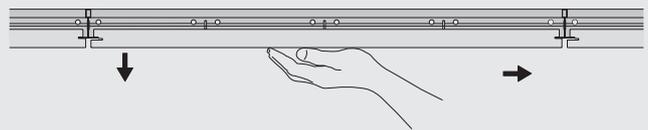
2. Step

Push up gently.



3. Step

Pull the tile across to lock it into place.





DESIGN & FUNCTION



DESIGN

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

BLENDS IN WITH THE REST OF THE CEILING

The special edge milling conceals the grid construction except for a 7 mm shadow gap

QUICK INSTALLATION

Easy installation in AMF System C exposed grid

RETROFIT POSSIBLE

Can be installed from below the ceiling into existing grid without any difficulty





THERMATEX ACOUSTIC RANGE

AMF now offers an enhanced Acoustic Range with the addition of the new THERMATEX SF Acoustic ceiling. Our full range of acoustic ceilings now includes solutions for all requirements.

The AMF Acoustic Range provides ceiling options that vary from acoustically reflective to highly absorbent with the same visual appearance. The extensive range of options provide appropriate solutions for the most demanding of applications.

- High sound absorption to control reverberation
- Reflective options to control sound
- Sound attenuation of up to 44 dB
- White, smooth fleece surface
- Provides acoustic flexibility independently of the visual appearance
- Provides options to adjust and fine tune a rooms reverberation time
- Developed by acoustic experts



Acoustic Range

Due to reproduction processes colours shown in this catalogue may differ from the actual product colour. Product selection should always be made from AMF samples. All details and technical information stated in this brochure or other publicity material referring to AMF ceiling systems are based on test reports obtained under laboratory conditions. All system details conform with current technology and are based on the use and compatibility of AMF products and system components used in both internal and external tests. AMF accepts no liability or responsibility for use of third party components, or for any variations to conditions stipulated in test data. We recommend not to mix production batches on jobs. All technical data is subject to change without prior notice and is governed by AMF Terms and Conditions of Sale. Please consult www.amfceilings.com for the latest in technical data and product information.

This catalogue supersedes all previous editions.
Errors and omissions excepted. Printing errors excepted.

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The Construction Products Directive (Council Directive 89/106/EEC), relevant for Suspended Ceilings, was converted to the European Standard EN 13964. It stipulates essential criteria for the CE labelling of ceiling products and ceiling systems.



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 and ISO 14001.



Blue Angel for the AMF products

- THERMATEX (standard)
- THERMATEX ACOUSTIC RANGE
- ECOMIN

