



AMF THERMATEX[®]

Sonic



KNAUF



THERMATEX[®] Sonic – Simply get more out of the ceiling

Modern architecture is dominated by hard reflective materials such as glass, steel and concrete and therefore only limited space is available for acoustic purposes. In most cases this is insufficient to provide a room with the optimum acoustics suitable for its function.

THERMATEX[®] Sonic offers targeted absorption in order to optimise the acoustics of a space. Stainless steel cable hangers give a weightless and elegant impression.

THERMATEX[®] Sonic – Product overview



THERMATEX[®] Sonic arc

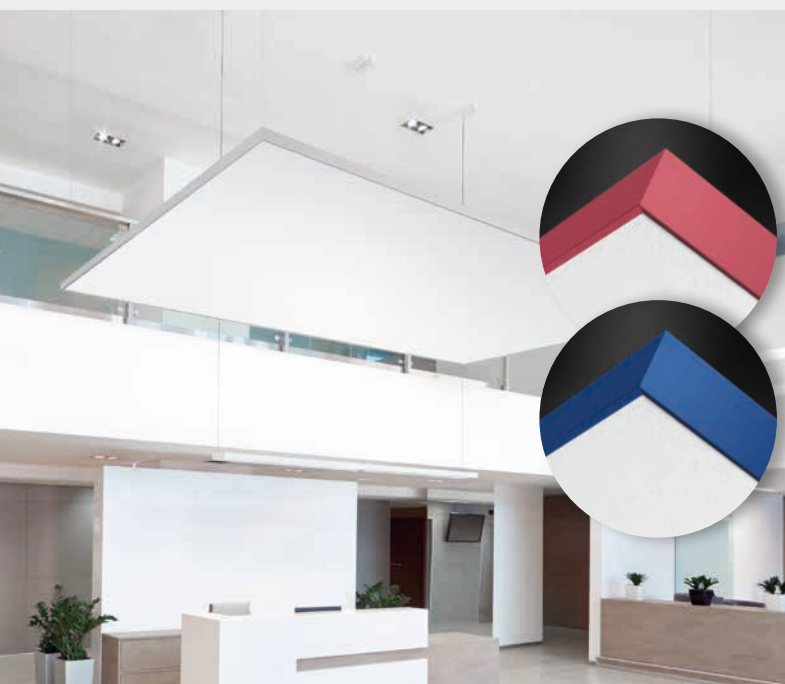


THERMATEX[®] Sonic element



THERMATEX[®] Sonic arc offers a wide variety of elegant design possibilities through varying layouts of concave and convex elements, available in a variety of colours.

With its frameless and light design, THERMATEX[®] Sonic element achieves the perfect symbiosis between outstanding acoustics and sophisticated elegance. The choice between round and square elements additionally offers almost unlimited design freedom.



THERMATEX® Sonic modern



THERMATEX® Sonic modern offers the possibility of individual surface design. The ceiling raft is installed with a discreet, aluminium frame, available in different colours.







THERMATEX® Sonic sky



THERMATEX® Sonic sky is ideal for use in large ceiling areas. The flexible and flat ceiling raft system is available in a wide variety of colours, forms and surfaces. In addition, lights and services can be integrated.







Advantages

-  convex and concave elements
-  range of colours
-  flexible suspension
-  uncomplicated and efficient installation

Available surface designs

Fleece-coated

-  black
-  white
-  creme
-  silver

other surfaces available on request



THERMATEX® Sonic arc – concave and convex ceiling rafts

Unique and elegant designs can be created using a varying arrangement of both concave and convex THERMATEX® Sonic arc elements. The selective use of different colours enables contrasting effects. Architects and designers can express unlimited imagination in achieving new room effects.

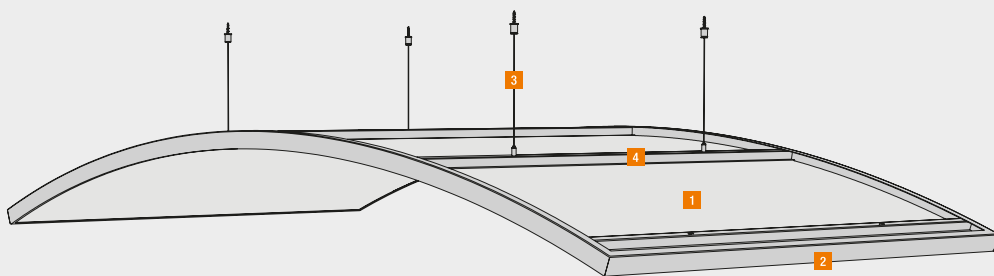
All ceiling rafts are delivered ready for installation in one piece, guaranteeing simple and quick installation. The flexible stainless steel cables are fully adjustable to enable the desired individual height adjustment.

Technical Performance



Sound absorption	EN ISO 354
Humidity	up to 90% relative humidity
Size	1910 x 1180 mm
Depth	91 mm
Weight	c. 14.0 kg/pc. (incl. tiles and cables)
Frame colours	white similar to RAL 9016, anodised, all RAL colours on request

Construction



- 1 AMF THERMATEX®
- 2 Frame system 15 x 34 x 7 mm / size 1910 x 1180 mm, radius c. 5.0 m
- 3 Cable holder with cable
- 4 Cross brace for fixing the hanger

Installation

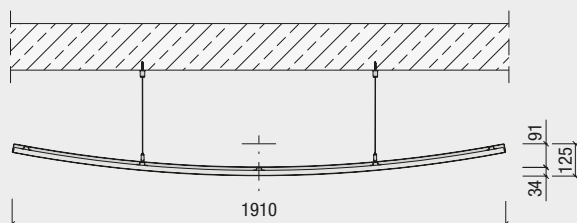
The raft is suspended by four cables. The suspension system enables the raft to be installed and adjusted quickly and precisely.

Scope of delivery

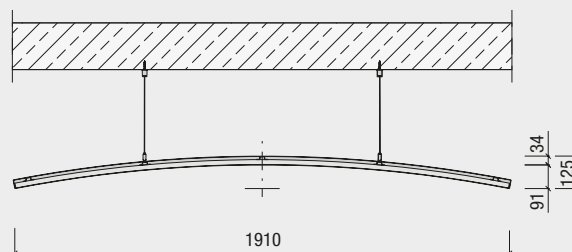
Every ceiling raft is delivered inclusive of hangers. They consist of:

- Cable hanger with cable holder
- Cable (standard cable length 1.0 m, alternative cable lengths and ceiling fixings on request)
- Ceiling fixings

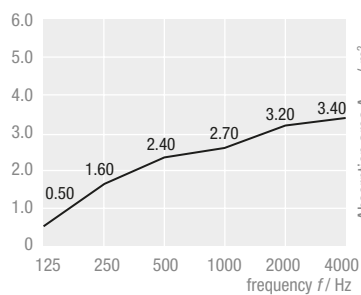
THERMATEX® Sonic arc convex



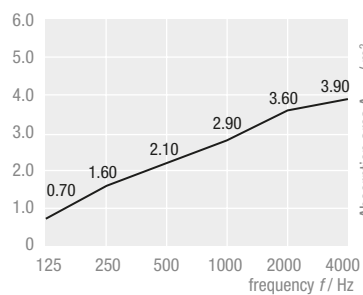
THERMATEX® Sonic arc concave



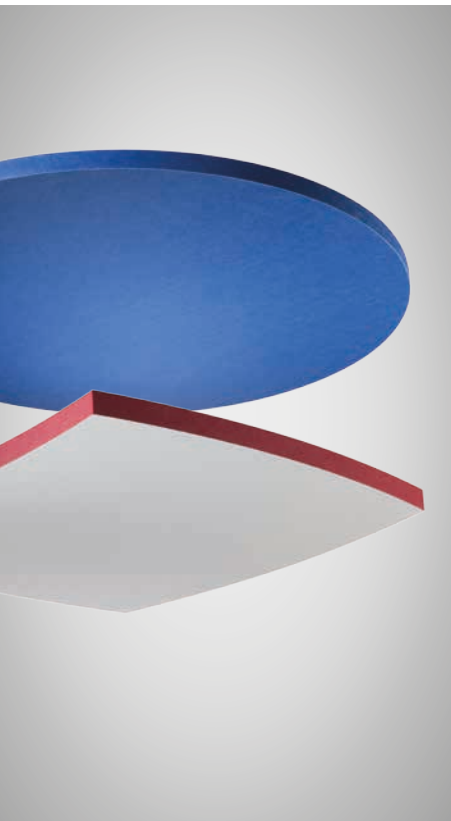
Sound absorption values (tested as a single absorber)



THERMATEX® Sonic arc
1180 x 1910 mm,
Assembly height 150 mm



THERMATEX® Sonic arc
1180 x 1910 mm,
Assembly height 300 mm



Advantages

- frameless, floating design
- simple installation
- round and rectangular elements
- flexible suspension
- available with coloured frames
- special forms on request



Available surface designs

- fleece-coated white on all sides
- coloured edges, optionally available
- other colours available on request

THERMATEX® Sonic element – the frameless ceiling raft

THERMATEX® Sonic element is a mineral, acoustic ceiling raft without a frame! The AMF THERMATEX® base together with the fleece coating of the Acoustic Range, offers the highest sound absorption.

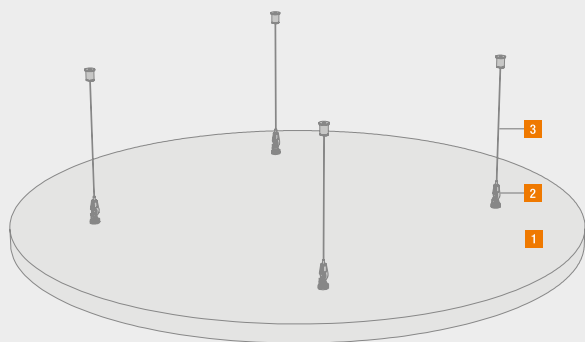
THERMATEX® Sonic element is an excellent way of effectively providing absorption within a room with little material and is ideally suited to solving acoustic problems in a creative and sophisticated way. For applications with high-class, architectural design such as foyers and reception areas, restaurants and modern office environments, THERMATEX® Sonic element is the optimal solution, combining design and acoustics. The recessed fixing points and frameless, monolithic edges accentuate the impression of a floating sail.

Technical Performance

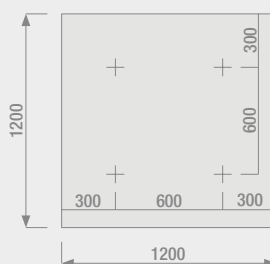
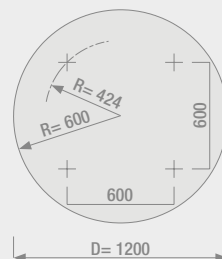


Sound absorption	EN ISO 354
Humidity	up to 95% relative humidity
Form	rectangular, round
Size	up to max. 1200 x 1200 mm, up to Ø 1200 mm
Thickness/weight	c. 38 mm / c. 11.0 kg/m ²
Colour	white similar to RAL 9010

Construction



- 1 AMF THERMATEX®
- 2 Cable holder with cable
- 3 Cable and ceiling fixing, adjustable



Installation

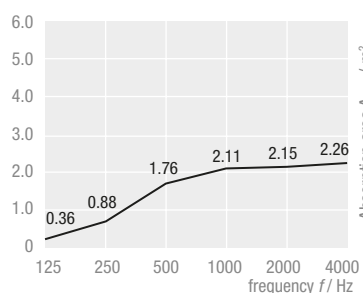
The raft is suspended by four cables. Depending on the form, more hangers may be necessary or three sufficient. The suspension system enables the raft to be installed and adjusted quickly and precisely.

Scope of delivery

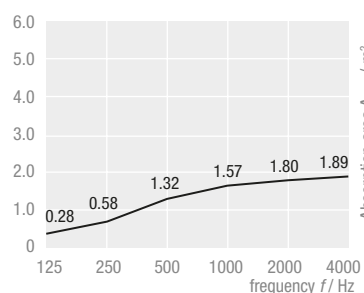
Every ceiling raft is delivered inclusive of hangers. They consist of:

- cable hanger with cable holder
- cable (standard cable length 1.0 m, alternative cable lengths and ceiling fixings on request)
- ceiling fixings

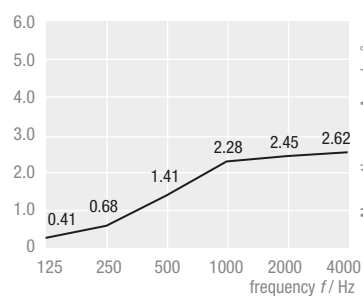
Sound absorption values (tested as a single absorber)



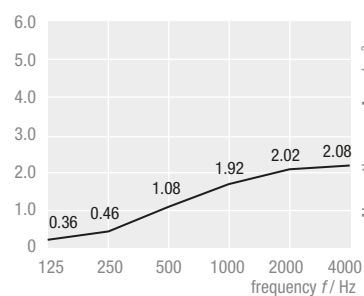
THERMATEX® Sonic element
square
1200 x 1200 mm,
Assembly height 150 mm



THERMATEX® Sonic element
round
Ø 1200 mm,
Assembly height 150 mm



THERMATEX® Sonic element
square
1200 x 1200 mm,
Assembly height 300 mm



THERMATEX® Sonic element
round
Ø 1200 mm,
Assembly height 300 mm



Advantages

- quick and precise installation
- flexible suspension
- individual surface designs
- various frame colours

Available surface designs

- Fleece-coated white or printed



THERMATEX® Sonic modern – ceiling rafts with aluminium frames

THERMATEX® Sonic modern is a mineral ceiling raft installed with an aluminium frame. The rafts are delivered ready to install in one piece and can be installed quickly and easily using the hangers provided.

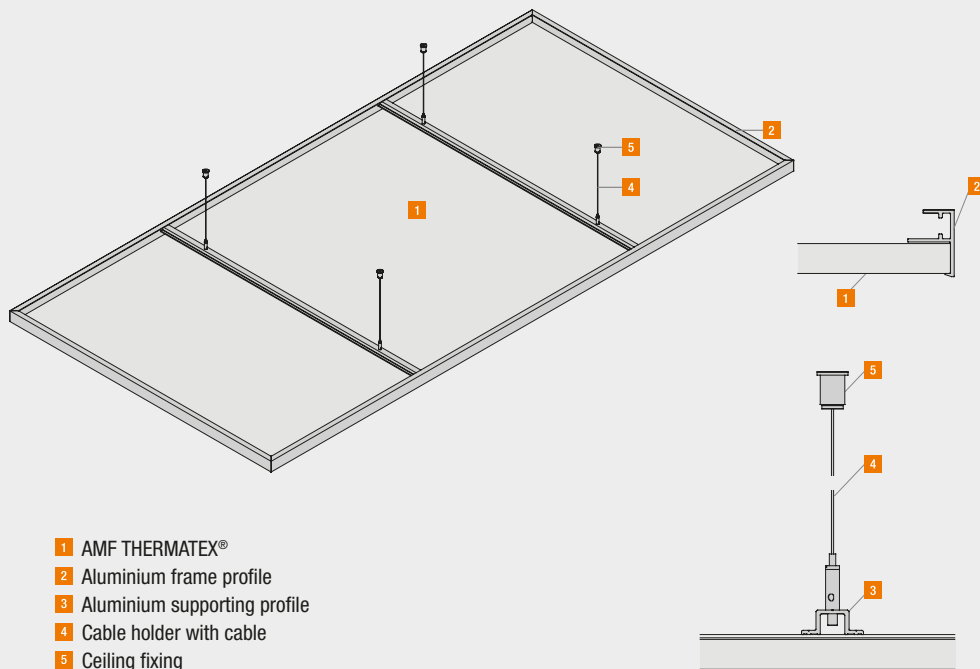
THERMATEX® Sonic modern is delivered as standard with a white, fleece-coated surface, but can also be customised on request with all colours and printed motifs. The special composition of the mineral tile achieves exceptional sound absorption performance.

Technical Performance



Building material class	A2-s1,d0 as per EN 13501-1 (or C-s1,d0 when printed)
Sound absorption	EN ISO 354
Humidity	up to 95% relative humidity
Sizes	600 x 1200 mm, 1200 x 1200 mm, 1200 x 1800 mm, 1200 x 2400 mm, other sizes available on request
Frame thickness	43 mm
Weight	600 x 1200 mm: c. 7.0 kg/pc. 1200 x 1200 mm: c. 13.0 kg/pc. 1200 x 1800 mm: c. 18.0 kg/pc. 1200 x 2400 mm: c. 23.0 kg/pc.
Frame colours	Natural aluminium anodised E6-EV1, white similar to RAL 9016, other colours available on request

Construction



Installation

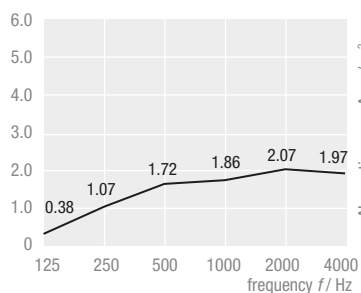
The raft is suspended by four cables. The suspension system enables the raft to be installed and adjusted quickly and precisely.

Scope of delivery

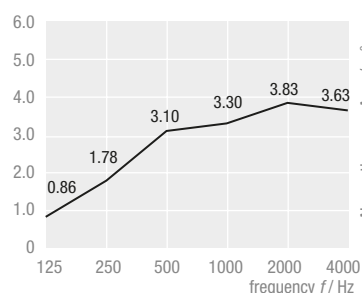
Every ceiling raft is delivered inclusive of hangers. They consist of:

- cable hanger with cable holder
- cable (standard cable length 1.0 m, alternative cable lengths and ceiling fixings on request)
- ceiling fixings

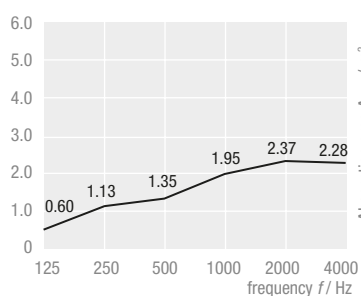
Sound absorption values (tested as a single absorber)



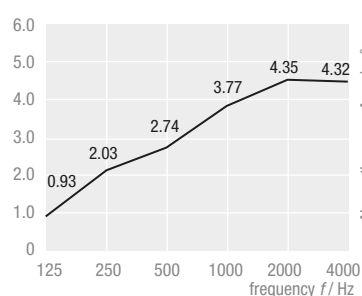
THERMATEX® Sonic modern square
 1200 x 1200 mm,
 Assembly height 150 mm



THERMATEX® Sonic modern rectangular
 1200 x 2400 mm,
 Assembly height 150 mm



THERMATEX® Sonic modern square
 1200 x 1200 mm,
 Assembly height 300 mm



THERMATEX® Sonic modern rectangular
 1200 x 2400 mm,
 Assembly height 300 mm



Advantages

- flexible sizes
special forms (e.g. trapezoid, triangle, prisms etc.)
- variable suspension system
(e.g. inclined under sloping roof)
- large choice of surfaces
- lights and services can be integrated

Available surface designs

THERMATEX® Alpha /
THERMATEX® Alpha HD
with laminated fleece

- black
- white
- creme
- silver

(edges VT, AW and
GN only in white)



THERMATEX® Sonic sky – the modular ceiling raft

The flexible ceiling raft system THERMATEX® Sonic sky offers architects and designers a high degree of design freedom through its wide range of colours and forms.

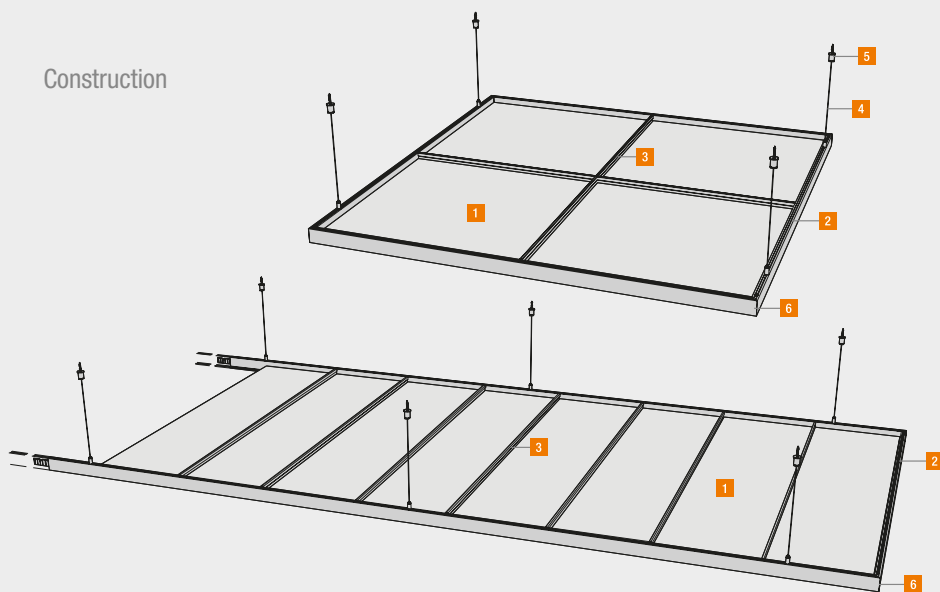
The rafts consist of a self-supporting frame fixed to the ceiling with an adjustable suspension system and combined with THERMATEX® ceiling tiles. THERMATEX® Alpha and THERMATEX® Alpha HD with their high quality fleece-coated surfaces, available in a variety of colours are here particularly suitable for use. The sophisticated profile connection system achieves an optimal joint layout and eases installation. Discreet, almost invisible stainless steel cable hangers convey the impression of weightlessness and elegance.

Technical Performance



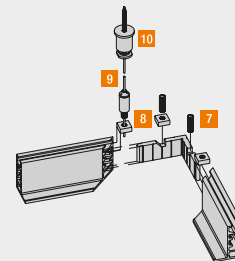
Building material class	A2-s1,d0 as per DIN EN 13501-1
Sound absorption	EN ISO 354
Frame sizes	2400 x 1800 mm, 2400 x 1200 mm, 2000 x 1500 mm, 1200 x 1200 mm, other sizes available on request
Tile sizes	600 x 600 mm, 300 x 1500 mm, 300 x 1800 mm
Weight	total construction c. 8.0 kg/m ² (depending on raft size and tile type)
Frame colours	Natural aluminium anodised E6-EV1, white similar to RAL 9016, other colours available on request

Construction

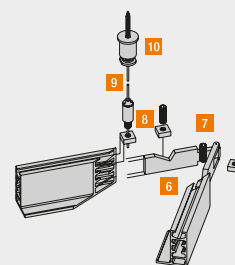


- 1 AMF THERMATEX®
- 2 Aluminium frame profile
- 3 Main profile (according to spanning width table with plank sizes)
- 4 Cable holder with cable
- 5 Ceiling fixing
- 6 Corner connector
- 7 Safety / fixing screw
- 8 M6 nut / square nut
- 9 Cable holder with cable
- 10 Ceiling fixing with screw cap (also available as one piece)

Frame construction with corner connector



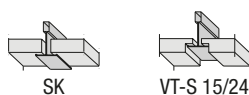
Frame construction with flexible corner connector



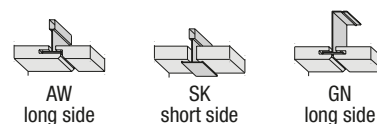
Profile table

Profile	Height	Thickness	Tile size
PQZ 19 / 50	50 mm	0,5 mm	300 x 1800 mm
T 24 / 38	38 mm	0,4 mm	300 x 1500 mm

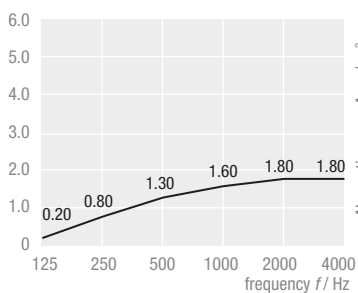
Edge details (square format)



Edge details (plank format)

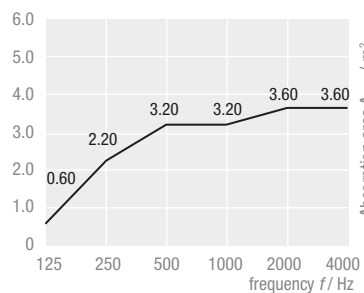


Sound absorption values (tested as a single absorber)



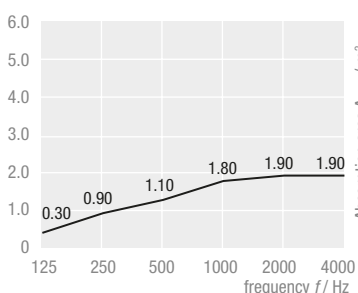
THERMATEX® Sonic sky
1200 x 1200 mm

THERMATEX® Alpha
1200 x 600 mm, SK
Ceiling height 165 mm



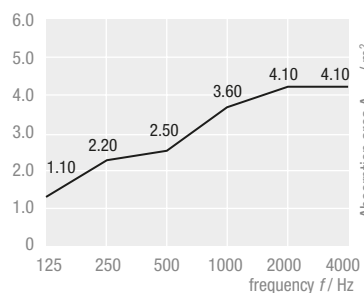
THERMATEX® Sonic sky
2440 x 1240 mm

THERMATEX® Alpha HD
1200 x 300 mm, AW/SK
Ceiling height 150 mm



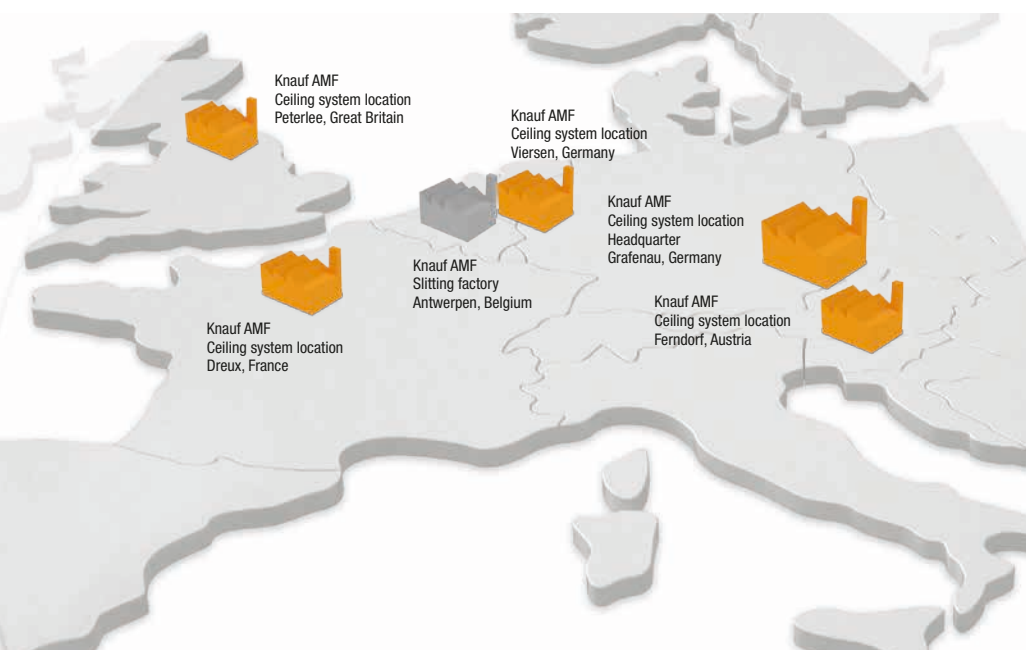
THERMATEX® Sonic sky
1200 x 1200 mm

THERMATEX® Alpha
1200 x 600 mm, SK
Ceiling height 300 mm



THERMATEX® Sonic sky
2440 x 1240 mm

THERMATEX® Alpha HD
1200 x 300 mm, AW/SK
Ceiling height 300 mm



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With the strong brands AMF THERMATEX®, AMF VENTATEC®, DONN® and HERADESIGN®, the ceiling specialist Knauf AMF offer a fully developed product range and exceptional sales and advisory services to architects, specialist contractors, developers and distributors throughout the world.

With us, you are always a ceiling solution ahead!

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10/2014