



AMF THERMATEX[®] Baffles





Product description

A baffle consists of a closed metal frame and an embedded absorber. The tile core achieves high sound absorption values and excellent room acoustics.

Features and product properties



Sound absorption



Design

AMF Baffles – acoustic optimising design elements for the highest requirements

AMF Baffles are a creative solution giving a room effective acoustics, even when the available ceiling and wall surfaces are insufficient for optimal sound absorption.

Especially in modern architecture, the use of glass and concrete mean limited surfaces are available for acoustic use. A baffle system offers a very good possibility to absorb sound and sustainably improve the room acoustics.

The retrospective acoustic optimization of buildings is often very expensive. The installation of a suspended ceiling is not always possible to adjust the room's reverberation time to an acceptable level. Baffle solutions from AMF can be retrofitted quickly and easily and in addition, offer many architectural design possibilities that meet the highest design requirements.

To find the appropriate solution, Knauf AMF architects and designers work in partnership to provide help and advice. A team of trained experts supports clients to find a perfect, quick and easy, retrofittable solution for every room design and acoustic situation.



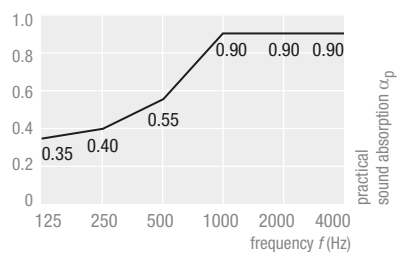
Our service:
Room acoustic calculator
To determine the quantity
and type

Sound absorption values for baffles



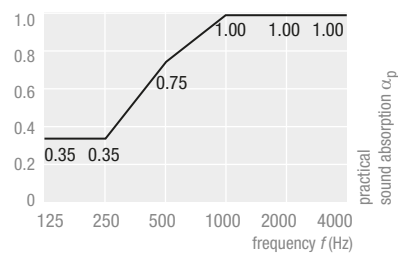
Sound absorption values

Sound absorption EN ISO 354
 $\alpha_w = 0.60$ (MH) as per EN ISO 11654
 $NRC = 0.65$ as per ASTM C 423



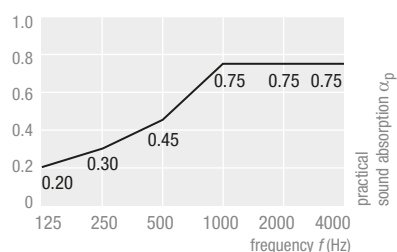
Baffles
 1200 x 300 mm
 Row centres 300 mm

Sound absorption EN ISO 354
 $\alpha_w = 0.65$ (MH) as per EN ISO 11654
 $NRC = 0.75$ as per ASTM C 423



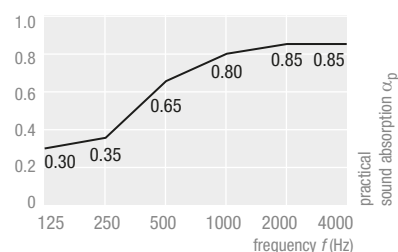
Baffles
 1200 x 600 mm
 Row centres 600 mm

Sound absorption EN ISO 354
 $\alpha_w = 0.50$ (MH) as per EN ISO 11654
 $NRC = 0.55$ as per ASTM C 423

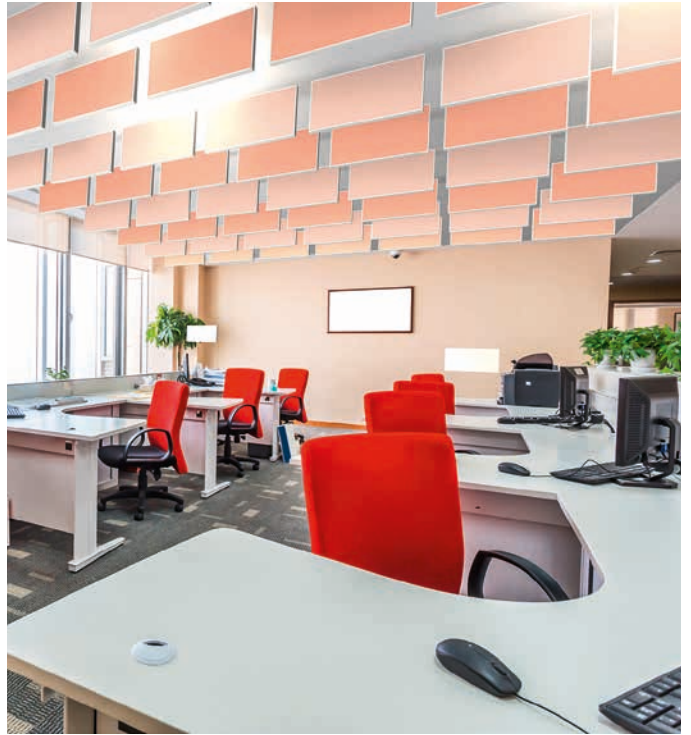


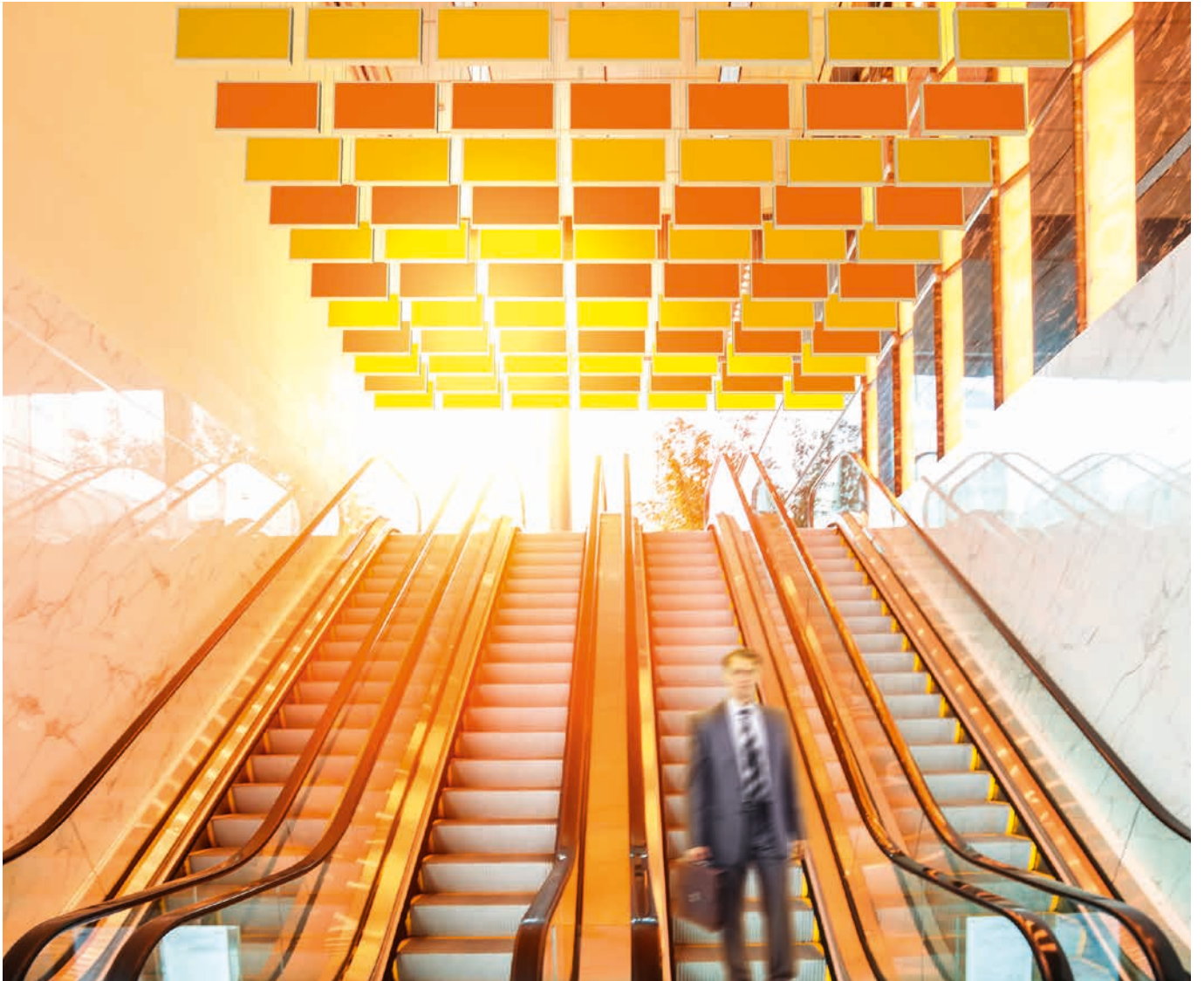
Baffles
 1200 x 300 mm
 Row centres 600 mm

Sound absorption EN ISO 354
 $\alpha_w = 0.65$ (H) as per EN ISO 11654
 $NRC = 0.65$ as per ASTM C 423



Baffles
 1200 x 600 mm
 Row centres 1200 mm









Plain white



THERMATEx® Baffle Classic

The fleece-coated, classic, white surface of the THERMATEx® Baffle Classic series unite function with a timeless, simple aesthetic. The system is therefore especially suited to applications where high value is placed on a plain, discreet visual appearance without forgoing optimal room acoustics.

Technical Performance

Building material class	A2-s1,d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Sizes	rectangle, 1200 x 300 mm, 1200 x 600 mm other sizes available on request
Thickness	50 mm
Max. panel size / weight	1200 x 300 mm: 3.0 kg 1200 x 600 mm: 6.2 kg
Frame material	Aluminium
Frame colour	white, RAL-colours
Tile colour	fleece-coated white
Fixing	Cable suspension, industry system, grid system (not included in the delivery)

Product advantages

- High sound absorption
- Excellent acoustics
- Extension of the active acoustic surface in a room
- Easy installation
- Retrospective acoustic optimisation of rooms
- Suitable for active soffits
- Individual suspension options

Function and product properties



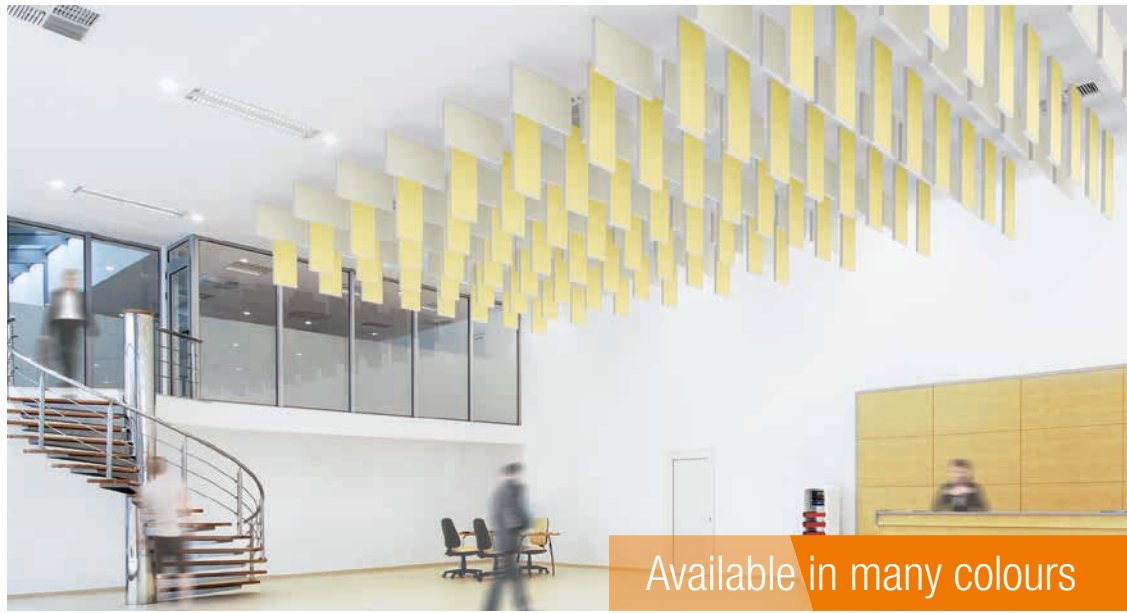
Sound absorption



Design



Our service:
Room acoustic calculator
to determine the quantity
and type



Product advantages

- High sound absorption
- Excellent acoustics
- Extension of the active acoustic surface in a room
- Easy installation
- Retrospective acoustic optimisation of rooms
- Design element
- Coloured acoustic fleece
- Individual suspension options
- Suitable for active soffits

Function and product properties



Sound absorption



Design



THERMATEX® Baffle Colour

THERMATEX® Baffle Colour offers a large range of design options. 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 Performance

Building material class	A2-s1,d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Sizes	rectangle, 1200 x 300 mm, 1200 x 600 mm other sizes available on request
Thickness	50 mm
Max. panel size / weight	1200 x 300 mm: 3.0 kg 1200 x 600 mm: 6.2 kg
Frame material	Aluminium
Frame colour	white, RAL-colours
Tile colour	fleece-coated black, cream, silver
Fixing	Cable suspension, industry system, grid system (not included in the delivery)



Our service:
Room acoustic calculator
to determine the quantity
and type



Custom printed



THERMATEx® Baffle Exclusive

THERMATEx® Baffle Exclusive products open up a new level of quality in terms of design and aesthetics. The highly absorbent 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 Performance

Building material class	A2-s1,d0 as per EN 13501-1
Humidity resistance	up to 95% relative humidity
Sizes	rectangle, 1200 x 300 mm, 1200 x 600 mm other sizes available on request
Thickness	50 mm
Max. panel size / weight	1200 x 300 mm: 3.0 kg 1200 x 600 mm: 6.2 kg
Frame material	Aluminium
Frame colour	white, RAL-colours
Tile colour	fleece-coated motif
Fixing	Cable suspension, industry system, grid system (not included in the delivery)

Product advantages

- High sound absorption
- Excellent acoustics
- Extension of the active acoustic surface in a room
- Easy installation and handling
- Retrospective acoustic optimisation of rooms
- Individual, creative surface designs (custom motifs)
- Suitable for active soffits

Function and product properties



Sound absorption

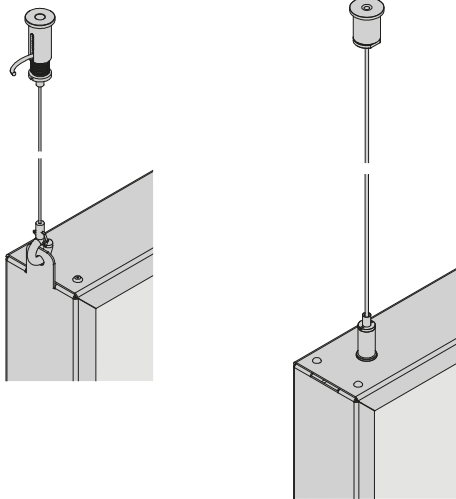


Design



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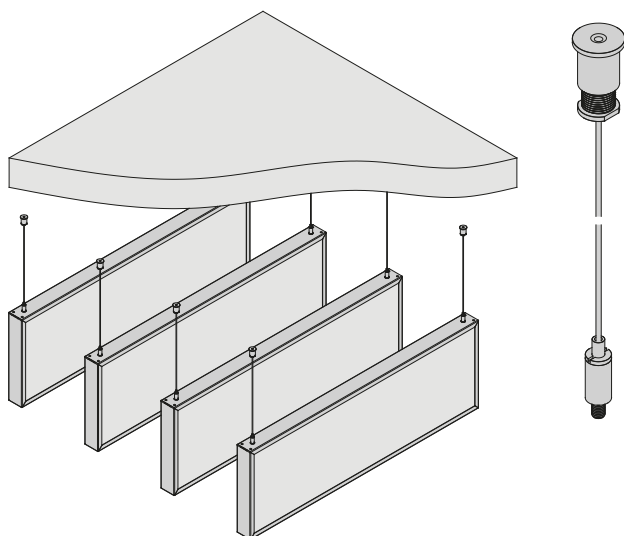
Installation / Suspension



Baffle with side tab connector or top side screw thread

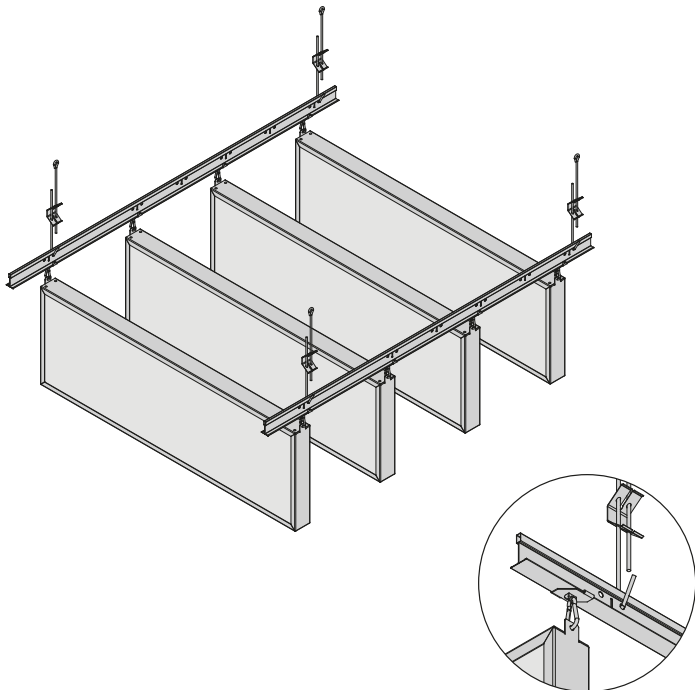
Cable hanger on tab connector

Cable hanger on press nut

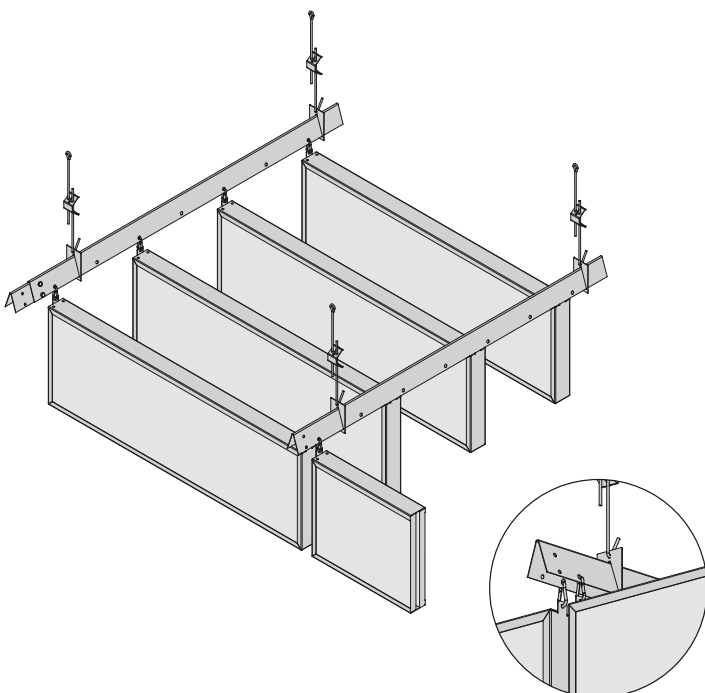


Baffle with cable suspension





Baffle with Caddy-clip and karabiner on tab connector



Baffle with V-Grid





Service, Support, Logistics – Centre of expertise in Europe and on-site sales networks worldwide



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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Knauf AMF GmbH & Co. KG
Elsenthal 15, 94481 Grafenau
Germany

Tel.: +49 8552 422-0

Fax: +49 8552 422-32

info@knaufamf.de

www.amfceilings.com

Knauf AMF Deckensysteme GmbH
9702 Ferndorf 29
Austria
Tel.: +43 4245 2001-0
office@heradesign.com
www.heradesign.com

Knauf AMF GmbH & Co. KG
Metallstraße 1, 41751 Viersen
Germany
Tel.: +49 2162 957-0
info-de@knaufamf.eu

Knauf AMF Plafonds et Systèmes
9, rue des Livraindières, 28100 Dreux
France
Tel.: +33 237 3850-50
info@knaufamf.fr

Knauf AMF Ceilings Ltd.
1 Swan Road, South West Industrial Estate,
Peterlee, Co. Durham, SR8 2HS
Great Britain
Tel.: +44 191 518600
info@knaufamf.co.uk