

PERFORMANCE CEILINGS
More scope for innovation



FIRE PROTECTION
PROGRAMME PART 2



RESPONSIBILITY FOR PEOPLE AND ASSETS



■ NORBERT FIGGE, ARCHITECT, DETLEFSEN&FIGGE ARCHITECTURE FIRM, KIEL

Fire protection means preventing the outbreak and spread of fire and smoke.

The protection of health and life is of utmost importance to the people located within the building.

That's why specific requirements on fire resistance period and fire behaviour, based on a classification of the type and usage of the building, need to be fulfilled.

The objective is to provide the rescue and fire fighting teams with a sufficiently safe environment to evacuate the people from the building and, where applicable, bring any valuable objects to safety.

The quality of the building materials used often plays a decisive role in determining whether a fire is able to spread unhindered or is contained at the seat of the fire and able to be extinguished quickly and successfully.

In the case of German public buildings, the properties of escape routes is regulated on the basis of the fire protection ordinances of the German Länder. These stipulate, for example, that the escape routes must remain intact and smoke-free for a specified period of time. They must not contain any flammable building materials or furnishings and must be segregated into individual fire zones.

By rigorously adhering to the fire protection ordinances during planning and implementation, lives can be saved and material and intangible damages minimized.

AMF has been manufacturing special and certified fire protection systems for this purpose for several decades. AMF's in-house and field technicians can provide support both in the planning and implementation phase of any building project that has fire protection requirements.

■ TABLE OF CONTENTS

Introduction	2	AMF Test Certificates	9	AMF Test Certificates	18	Catalogue request	33
Fire Protection	3	Structural Fire Protection	10	Wall Brackets	19	Product Index	35
Building Material Classification	4	F30 Under Gang-Nail		F30 Uno / + Metall	20		
Building Component Classification	5	Truss	12	F30 Dual + Metall	22		
Soffit Construction Types	6	F90 Under timber joists / trapezoidal decking /		F30 Mono	26		
Fire Tests	8	Trapezoidal Sheeting	14	AMF Projects	28		
		Independent Fire Protection	16	Offices / Contact Persons	30		

We have restructured our product catalogues to make it easier for you to find what you are looking for. This is Part 2 of our catalogue series; it contains our fire protection ceiling products.

Parts 1 and 3 – 6 of our catalogue series contain comprehensive information about our other product lines. You can obtain these catalogues by filling out the reply card at the end of this catalogue or simply by downloading them from www.amfceilings.com



STRUCTURAL FIRE PROTECTION

Structural fire protection involves classifying the suspended ceiling together with the soffit and the grid installation as a whole. AMF THERMATEX ceilings achieve building component classifications of F30 to F120 depending on the type of soffit. We have developed special fire protective ceilings for certain applications:

- System F30 under gang-nail truss
- System F90 under timber joists and trapezoidal decking

INDEPENDENT FIRE PROTECTION

Independent fire protection ceilings are tested for their fire resistance period irrespective of the type of soffit located above. They offer up to 30 minutes of fire protection from above and below:

- F30 Uno / + Metal
- F30 Dual + Metal
- F30 Mono

FIRE CLASSIFICATION



Building material classification

■ The EN 13501-1 standard is used to assess and classify building materials according to their fire behaviour.

It sets the requirements for the materials on the surface of building components, e.g. ceiling claddings, i.e. their behaviour when in direct contact with radiant heat or flames.

The classification into combustible and non-combustible building materials doesn't describe the intrinsic behaviour of the material. The behaviour under fire load depends on the surface type and form, the presence of bonding agents, the processing technique used, etc. The certifications are therefore only valid for the building material or composite building material actually tested. Other compositions can exhibit a less favourable fire behaviour.

■ The A2-s1,d0 class corresponds to the national building-regulation term: "non-combustible".

AMF THERMATEX panels are classified as A2-s1,d0 in accordance with EN 13501-1 and are therefore "non-combustible". The material class is mostly printed on the rear of the panel as well as on the packaging labels.

Test certificates are available on request.



Building component classification

According to EN 1365-2 (fire load from “below”) and EN 1364-2 (fire load from “below” and “above”), not only are the suspended ceilings relevant to the achievement of the individual fire resistance classed but also the construction as a whole, i.e. the soffit located above, as well as installations such as light fittings, loudspeakers, anemometers, etc. that need to be suspended separately from the soffit.

The suspended ceiling and soffit should prevent the passage of fire and temperature for as long as possible. This time is called the fire resistance period, e.g. > 30 minutes.

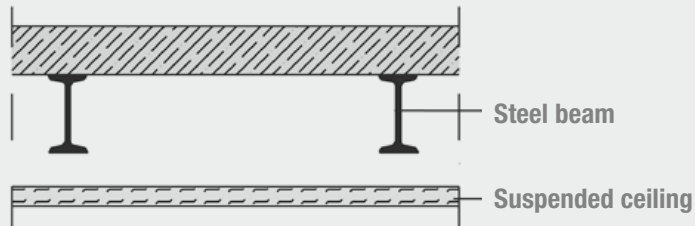
This fire resistance period is defined in the fire resistance classes and determined on the basis of EN 1363-1 in consideration of the criteria for testing.

Fire resistance class	Fire resistance period in minutes
F30	> 30
F60	> 60
F90	> 90
F120	> 120

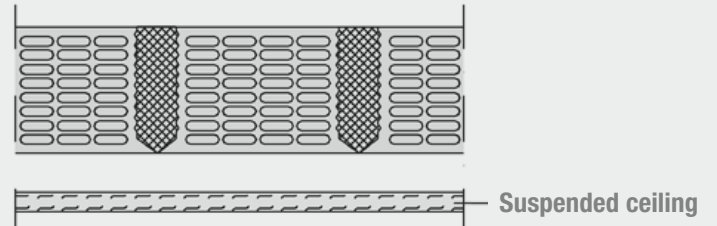
SOFFIT CONSTRUCTION TYPES AS PER DIN 4102 PART 2

TYPE I SOFFIT CONSTRUCTION

AERATED CONCRETE

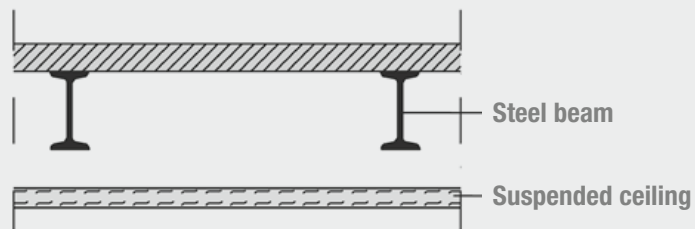


HOLLOW CORE



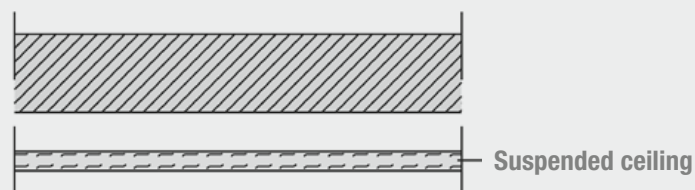
TYPE II SOFFIT CONSTRUCTION

REINFORCED CONCRETE ON STEEL BEAMS

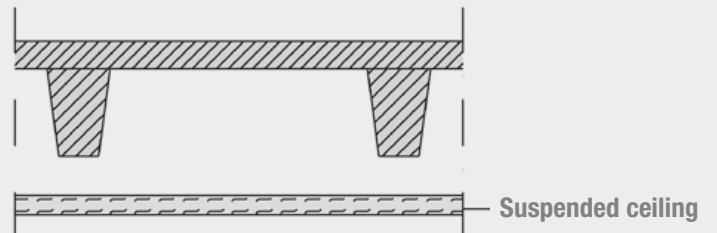


TYPE III SOFFIT CONSTRUCTION

REINFORCED CONCRETE

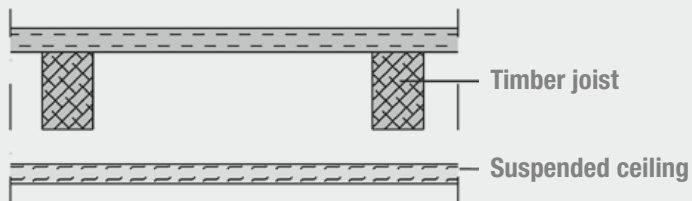


RIBBED CONCRETE SOFFIT

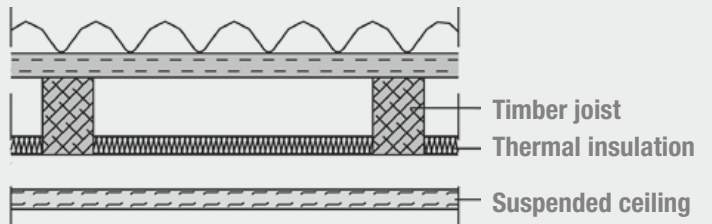


SPECIAL CEILINGS

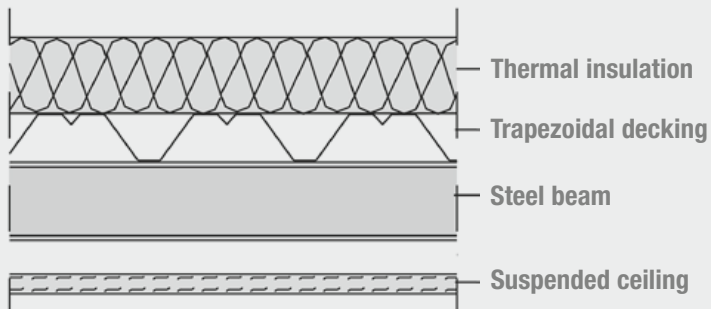
UNDER TIMBER JOISTS



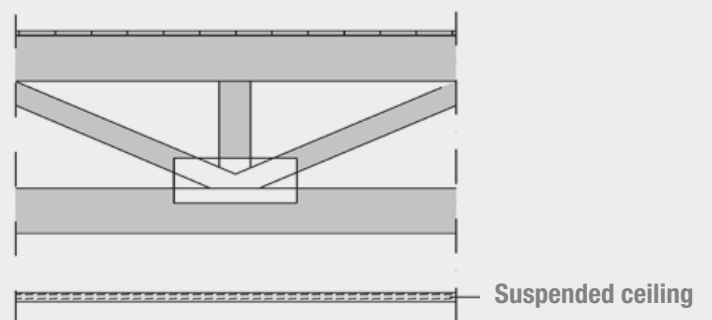
UNDER TIMBER ROOF



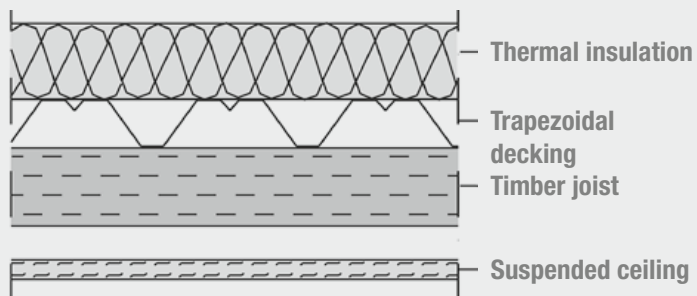
UNDER TRAPEZOIDAL DECKING ON STEEL BEAMS



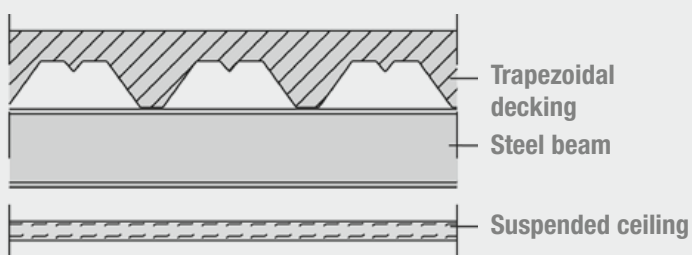
UNDER GANG-NAIL TRUSS



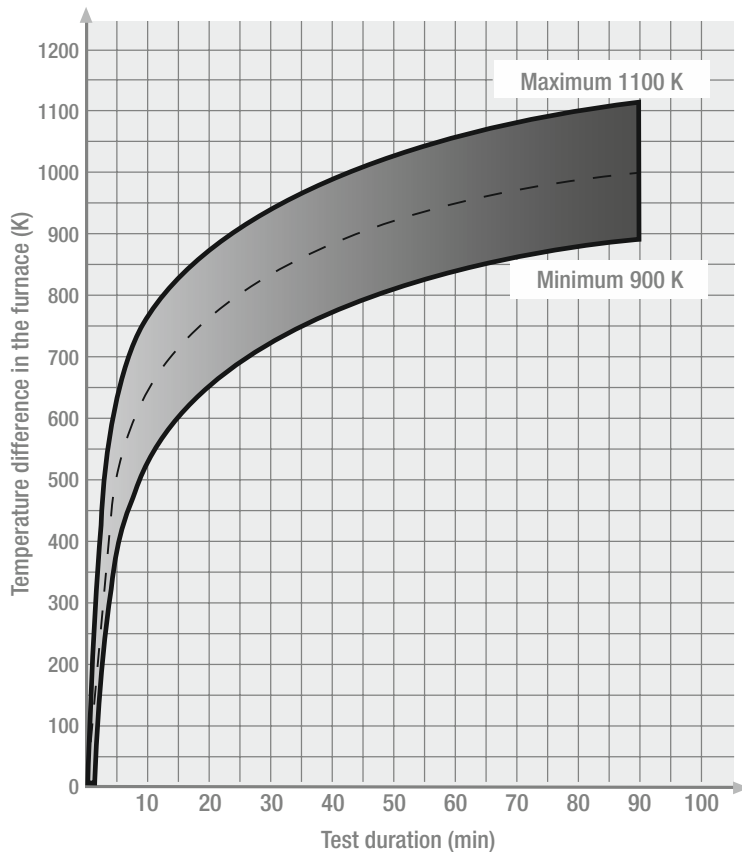
UNDER TRAPEZOIDAL DECKING ON TIMBER JOISTS



CONCRETE-FILLED TRAPEZOIDAL DECKING ON STEEL BEAMS



FIRE TESTS



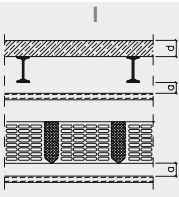
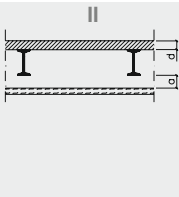
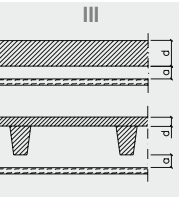
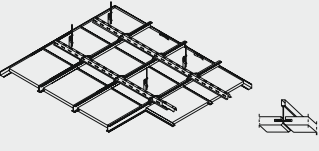
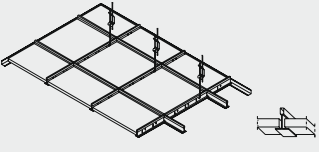
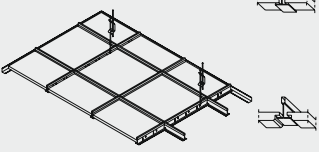
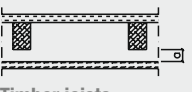

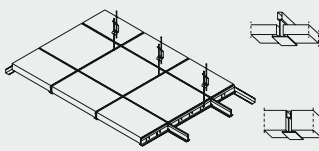
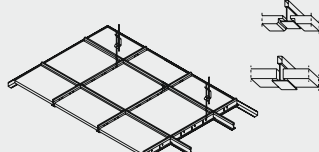
- The light-weight suspended ceiling and the grid construction located above are installed and tested in a fire chamber.
- The tests are conducted on the basis of a so-called “standard temperature curve” (see image) in nationally and internationally accredited test institutes.

Standard temperature curve

PREREQUISITES FOR CLASSIFICATION

- The suspended ceiling must remain intact for the entire duration of the test.
- The deflection of the suspended ceiling must not exceed the permitted maximum loading.
- The surface temperature rise on the side opposite the fire must be no greater than 140 K on average and no greater than 180 K at any measurement point.

Dependence of structural fire protection on the soffit

TEST CERTIFICATES	Soffit type as per DIN 4102			AMF panels			Test certificate No.
	 I Aerated concrete d=125 mm	 II Reinforced concrete d=50 mm	 III Reinforced concrete d=50 mm	Building material class	Thickness	Ceiling module size	Tested certificate No
System solution	Fire resistance class				mm	mm	
SYSTEM A - concealed system							
		F120	F120	A2 - s1,d0	15	600 x 600 625 x 625 and ribs	ABP P - 3096 / 0968
	F90	F90	F90	A2 - s1,d0	15		ABP P - 3777 / 7779 MPA BS
SYSTEM C - exposed system							
		F120	F120	A2 - s1,d0	15	1200 x 600 1250 x 625 and ribs	3674 / 608 / 09
	F90	F90	F90	A2 - s1,d0	15		ABP P - 3778 / 7789 MPA BS
SYSTEM C - exposed system							
		F90	F90	A2 - s1,d0	15	1250 x 625 625 x 625	ABP P - 3769 / 7699 MPA BS
SPECIAL CEILINGS							
	 Timber joists	 Timber roof	Building material class	Thickness in mm	Ceiling module size in mm	Tested certificate No.	
SYSTEM C – exposed system							
	F60			A2 - s1,d0	15	625 x 625 and ribs	3019 / 893 / 09
	F90			A2 - s1,d0	40		ABP P - 3097 / 0978
SYSTEM C – exposed system							
		F30	under gang-nail truss	A2 - s1,d0	15	600 x 600 625 x 625 and ribs	3478 / 7612

STRUCTURAL FIRE PROTECTION



In the case of structural fire protection, not only the suspended ceiling but also the structure as a whole is of relevance to the achievement of a particular fire resistance class. AMF ceilings achieve building component classifications of F30 to F120 depending on the type of soffit. We have developed special fire protection ceilings for certain applications:

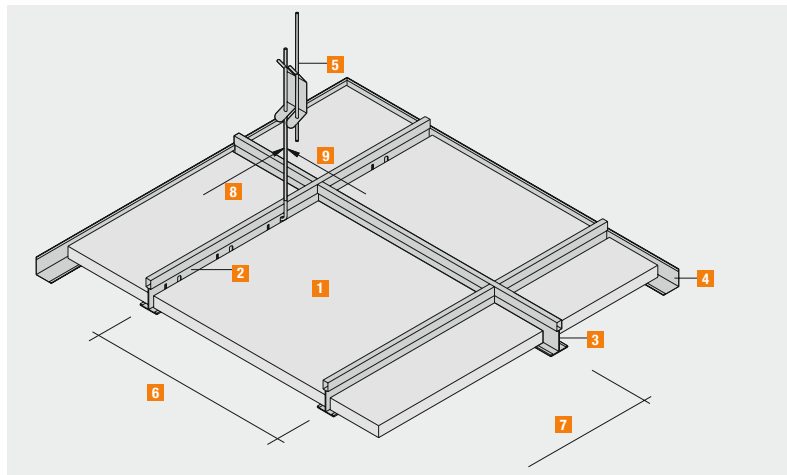
AMF FIRE PROTECTION CEILINGS

THERMATEX

- System F30 under gang-nail truss
- System F90 under timber roof / trapezoidal decking



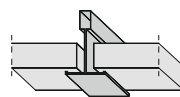
SYSTEM F30 under gang-nail truss



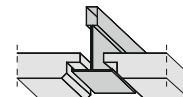
- 1 AMF - THERMATEX panel, 15 mm
- 2 Main runner, 24 x 38 mm
- 3 Cross tee, 24 x 38 mm
- 4 Wall trim, 24 x 24 mm
- 5 Quick-assembly suspension hanger
- 6 Max. module dimension, 625 mm
- 7 Max. module dimension, 625 mm
- 8 Max. distance between hangers, 1250 mm
- 9 Max. distance between main runners, 1250 mm

Test certificates must be adhered to.

Edge details



SK



VT 24

Exposed System

Having further developed and recertified the tried-and-proven F30 under gang-nail truss System in both the recessed and square-edged versions, we have not only secured a decisive technical advantage on the market both for ourselves and for you, but also achieved a range of rationalization effects.

You will benefit from these in a number of ways!

AMF has tested the exposed System C for F30 under gang-nail truss in various applications, e.g. discount and regular supermarkets, factories and workshops, etc. . . .

AVAILABLE FORMATS

625 x 625 mm, further formats available on request

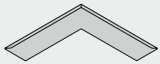
AVAILABLE SURFACE PATTERNS

THERMATEX

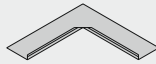
- Fine Stratos
- Fine Stratos micro perforated
- Star
- Mercure

Rock wool / glass wool	120 mm
Battens	40 / 60 mm
Max. distance between battens	1250 mm
Fastening method	Grooved nails (or Spax)
Sight from lower edge of battens to upper edge of mineral fibre panel	110 mm
Max. distance between main runners	1250 mm
Max. distance between hangers	1250 mm
AMF ceiling panel	15 mm
Max. format size	625 x 625 mm
Edge	VT / SK

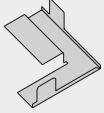
SK: square-edged, VT: recessed, GN: concealed, AW: shiplap. Please observe the test certificates and installation instructions in the Ceiling Systems Catalogue. Further accessories available as per price list!



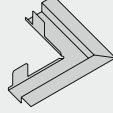
JS-15
External corner for RWL 24 / 24



JS-17
Internal corner for RWL 24 / 24



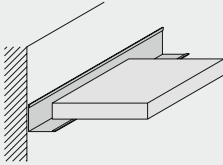
JS-24 External corner for
SRW 25 / 15 / 8 / 15



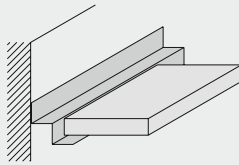
JS-28 Internal corner for
SRW 25 / 15 / 8 / 15

Further wall trims available!

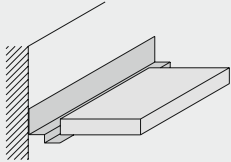
Wall angle
RWL 24 / 24



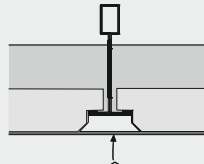
Shadow trim
SRW 20 / 20 / 20 / 20



Shadow trim
SRW 25 / 15 / 8 / 15



For VT



Filler piece
FUE - 15 / 24

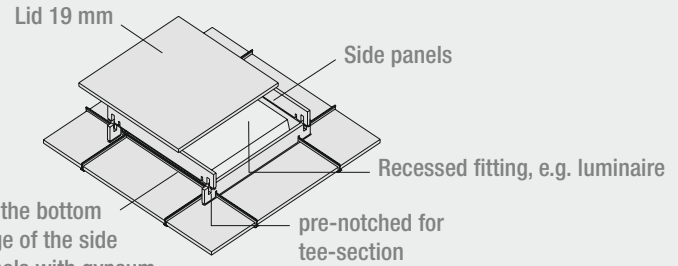
Fire resistant light boxes for recessed fittings for fire protection ceilings, all as per test certificates

Module size: 600 x 600 mm / 625 x 625 mm / 1200 x 600 mm
300 x 1200 mm / 312.5 x 1250 mm

Panel thickness: 19 mm

Internal height: 100 mm

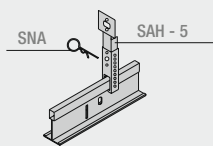
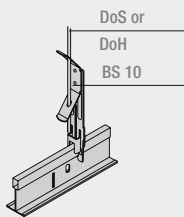
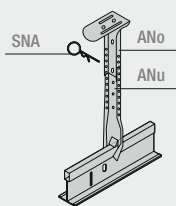
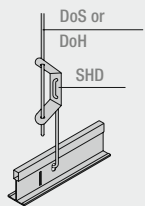
Other formats and heights available on request



Fix the bottom edge of the side panels with gypsum plaster or intumescent mastic.

Test certificates must be adhered to.

Wall trims / Hangers...



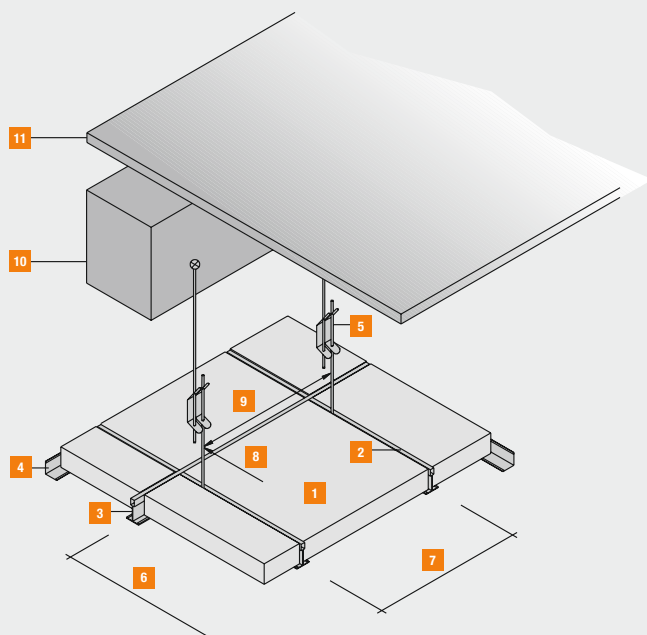
Fire Resistant Light Box



SYSTEM F90 under timber joists / trapezoidal decking



TIMBER JOISTS CEILING



- | | |
|---|--|
| 1 AMF - THERMATEX panel, 40 mm | 8 Max. distance between hangers, 900 mm |
| 2 Main runner, 24 x 38 mm | 9 Max. distance between main runners, 625 mm |
| 3 Cross tee, 24 x 38 mm | 10 Timber joist |
| 4 Wall trim, 24 x 24 mm | 11 Covering boards (24 mm), or particle board (19 mm) |
| 5 Quick-assembly suspension hanger | |
| 6 Max. module dimension, 625 mm | |
| 7 Max. module dimension, 625 mm | |

Test certificates must be adhered to.

Under Timber Joists

■ The AMF F90 functional ceiling under timber joists or trapezoidal decking is equally suited for installation in old buildings and modern industrial halls. Stringent demands on fire resistance are often made when renovating old buildings with timber roofs.

Using the F90 functional ceiling as per certificate under timber you can achieve the fire resistance class F90, even for old buildings, without having to clad the timber joists. This ceiling is also outstandingly suited for installation under trapezoidal decking, as used in modern industrial buildings.

AVAILABLE FORMATS

- 600 x 600 / 625 x 625 mm, further formats available on request

AVAILABLE SURFACE PATTERNS

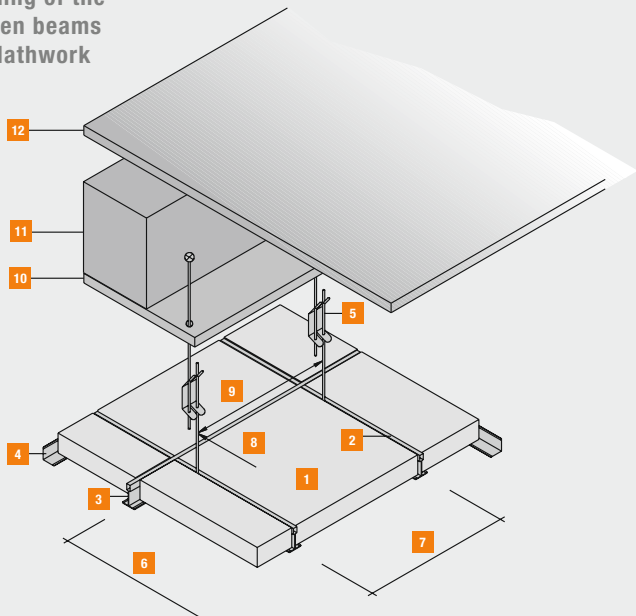
THERMATEX

- Fine Stratos, micro perforated
- Star

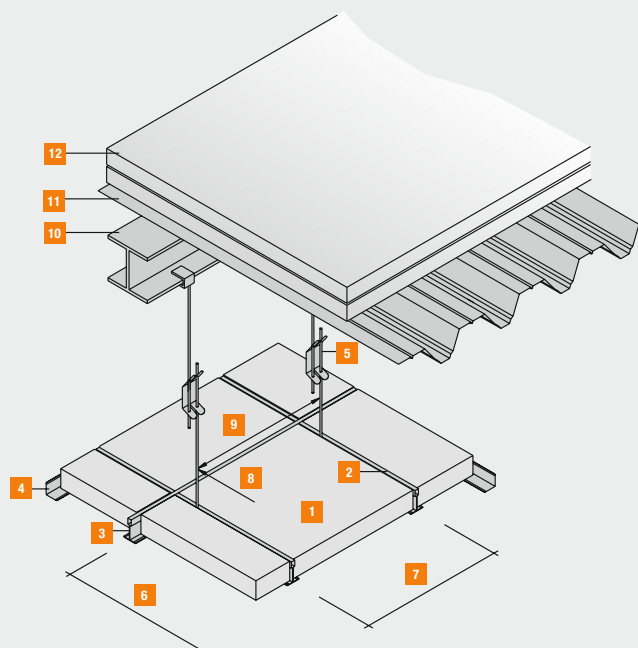
SK: square-edged, VT: recessed, GN: concealed, AW: shiplap. Please observe the test certificates and installation instructions in the Ceiling Systems Catalogue. Further accessories available as per price list!

TIMBER JOISTS CEILING WITH PLASTER

Cladding of the wooden beams with lathwork



TRAPEZOIDAL DECKING ON E.G. STEEL BEAMS



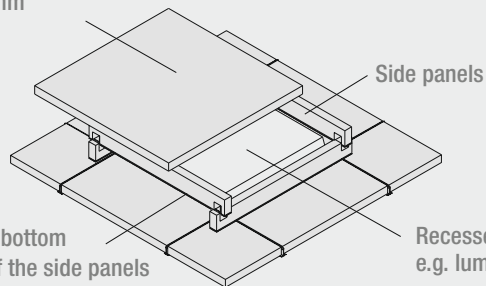
- 1** AMF - THERMATEX panel, 40 mm
- 2** Main runner, 24 x 38 mm
- 3** Cross tee, 24 x 38 mm
- 4** Wall trim, 24 x 24 mm
- 5** Quick-assembly suspension hanger
- 6** Max. module dimension, 625 mm
- 7** Max. module dimension, 625 mm
- 8** Max. distance between suspension hangers, 900 mm
- 9** Max. distance between main runners, 625 mm
- 10** Lathwork
- 11** Timber joist
- 12** Covering boards (24 mm), or particle board (19 mm)

- 1** AMF - THERMATEX panel, 40 mm
- 2** Main runner, 24 x 38 mm
- 3** Cross tee, 24 x 38 mm
- 4** Wall trim, 24 x 24 mm
- 5** Quick-assembly suspension hanger
- 6** Max. module dimension, 625 mm
- 7** Max. module dimension, 625 mm
- 8** Max. distance between hangers, 850 mm
- 9** Max. distance between main runners, 625 mm
- 10** Steel beam
- 11** Purlin
- 12** Mineral wool insulation

Test certificates must be adhered to.

Fire Resistant Light Box

Lid 40 mm

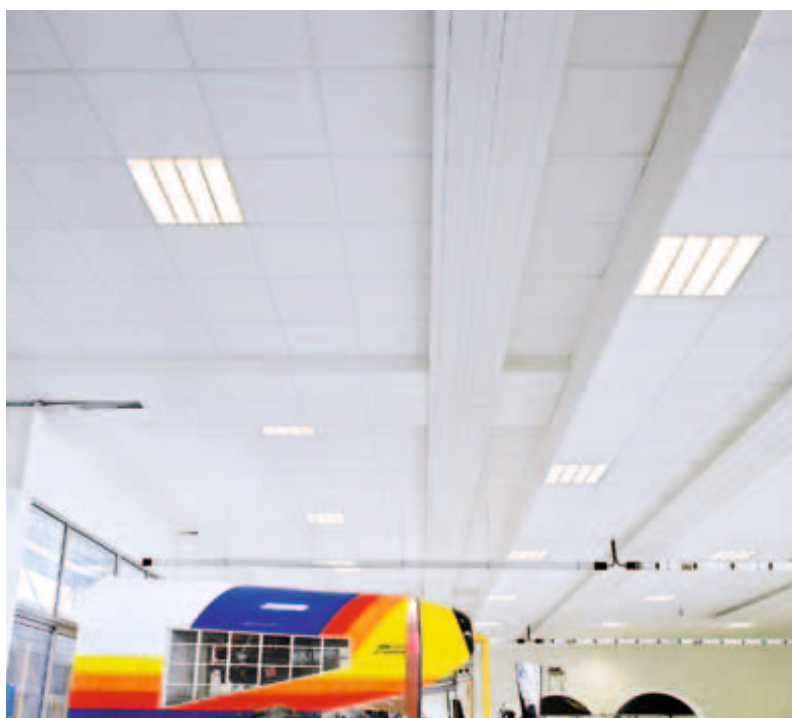


Fix the bottom edge of the side panels with gypsum plaster or intumescent mastic.

Flush-mounted light fitting with fire protection; certified as F90 under timber joists and F90 under purlins.

Module size: 600 x 600 mm / 625 x 625 mm
 Panel thickness: 40 mm
 Internal height: 80 mm
 Other formats and heights available on request
 Must be installed as per the test certificate!

Under Trapezoidal decking



INDEPENDENT FIRE PROTECTION



Independent fire protection ceilings, for example, “light-weight suspended ceilings“, fulfil the requirements for fire protection from both the ceiling void (ceiling cavity) and from the underside of the ceiling.

Installations like light fittings, manholes, loudspeakers, pictograms, etc. as well as all connections (such as connectors to light partitions, bulkheads, etc.) also need to be tested and classified.

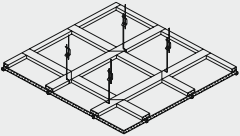
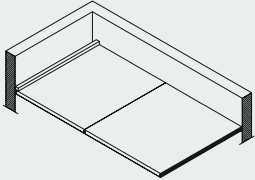
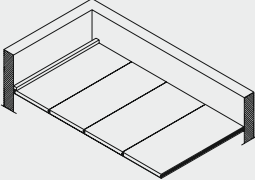
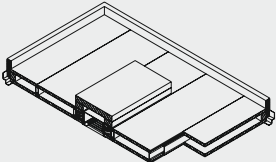
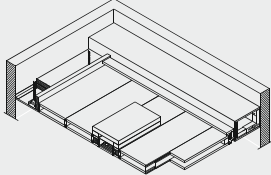
In the event of a fire emanating from the ceiling void (the most frequent fire load by the way), AMF fire protection ceilings protect the escape routes below for 30 minutes protected. These independent fire protection ceilings are rated and classified as “smoke proof“.

AMF FIRE PROTECTION CEILINGS

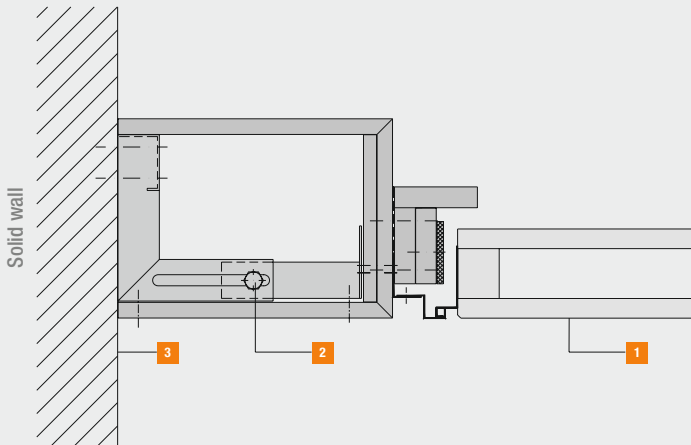
- F30 Uno / + Metal
- F30 Dual + Metal
- F30 Mono



TEST CERTIFICATES

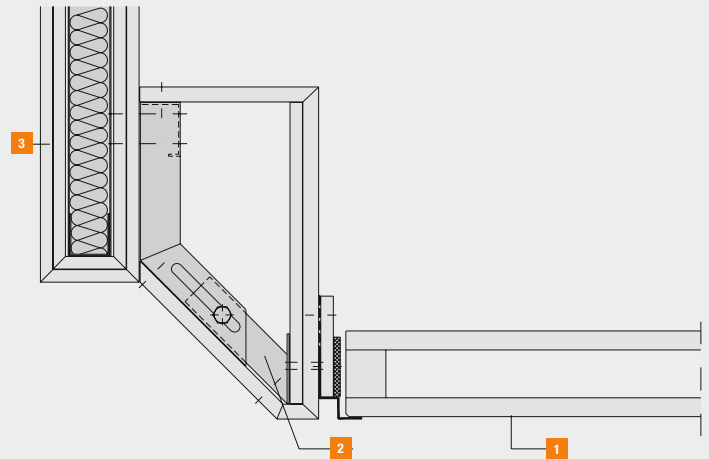
System solution	"Suspended ceiling only" as per DIN 4102		AMF panels			Test certificate No.
	Fire load from below For fire loads from below, the fire resistance class of the „suspended ceiling only“ is valid for all ceiling and roof constructions located above.	Fire load from above A fire load is applied in the ceiling void. The ceiling or roof construction located above must have at least the same F- class.	Building material class	Thickness	Ceiling module size	Tested certificate No
System solution	Fire resistance class			mm	mm	
AMF - SYSTEM F30 Mono						
Exposed system 	F30		A2 - s1,d0	40	1250 x 625 and 625 x 625	ABP P - 3100 / 1008
		F30	A2 - s1,d0			
AMF - SYSTEM F30 Uno						
Self-supporting construction 	F30		A2 - s1,d0	40	600 x 1400	ABP P-3974/2814
		F30	A2 - s1,d0			
AMF - SYSTEM F30 Uno						
Self-supporting construction 	F30		A2 - s1,d0	40	300 x 1800	ABP P-3086/1814
		F30	A2 - s1,d0			
AMF - SYSTEM F30 Dual +Metal						
Removable + swing down construction 	F30		A2 - s1,d0	108	300 x 2500	ABP P - 3540 / 5408
		F30	A2 - s1,d0			
AMF - SYSTEM F30 Dual						
Wall bracket 	F30		A2 - s1,d0	87 or 108	300 x 2500	ABP P - 3545 / 7982
		F30	A2 - s1,d0			

HORIZONTAL WALL BRACKET



- 1 Fire protection element
- 2 Horizontal wall bracket
- 3 Solid wall

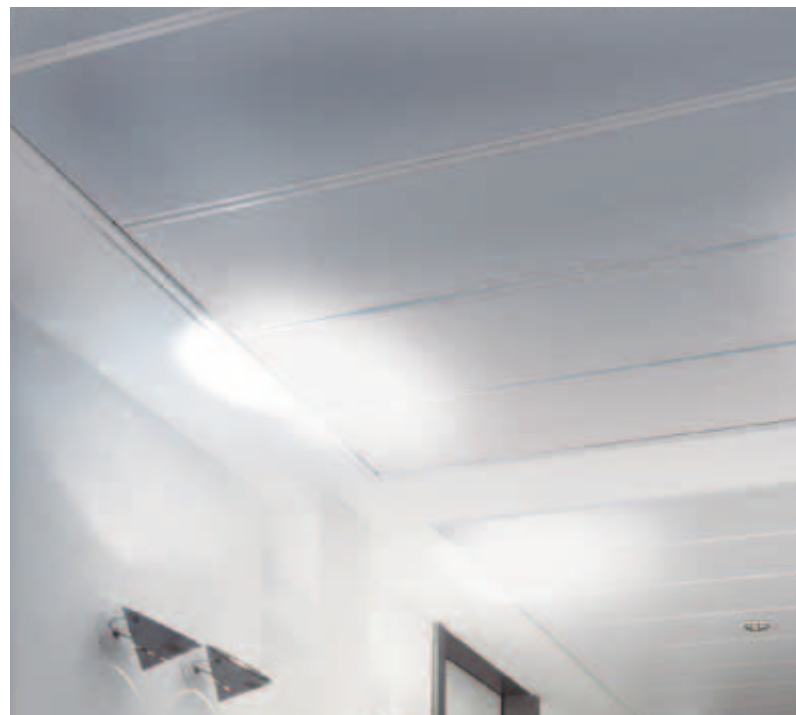
ANGLED WALL BRACKET



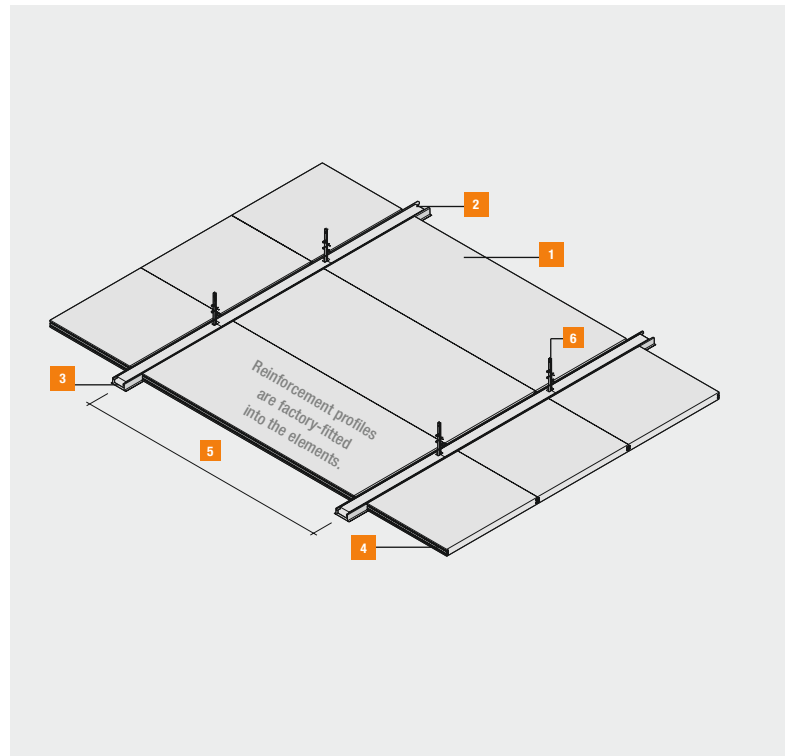
- 1 Fire protection element
- 2 Angled wall bracket
- 3 Bulkhead

Advantages at a Glance

- trouble-free installation with no suspension hangers from the soffit
- adjustable wall bracket for single or twin margin
- reduction in costs thanks to fewer lengths
- paneling with fireboard panels
- horizontal - 16 - 26 cm, 90° adjustment range
- angled - 11 - 18 cm, 45° adjustment range
- fastening to solid wall by means of sets of 2 dowels and screws, e.g. KDM 6 / 80 every 625 mm or less
- fastening to light-weight partitions by means of sets of 2 screws to metal studs 5.5 / 70 mm; max. distance between studs: 625 mm



SYSTEM F30 UNO / +METAL



- 1 600 x 1400 x 40 mm or 50 mm Uno element for METAL FACE
- 2 40 mm THERMACOR panel
- 3 50 or 100 mm bandraster
- 4 Reinforcement profile
- 5 Bandraster at 1482 mm centres
- 6 Nonius hangers every 700 mm

600 x 1400 mm Uno Element

■ The biggest advantage of System F30 Uno is its fire protection capacity from above and below. When a fire attack occurs from above, i.e. from the ceiling void, the lifesaving escape routes remain free of smoke and heat. When a fire attack occurs from below, the services in the ceiling void are protected.

AVAILABLE FORMATS

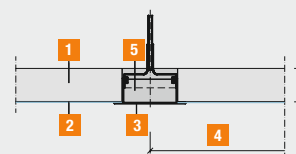
- 600 x 1400 mm
- 300 x 1800 mm, further formats available on request

AVAILABLE SURFACE PATTERNS

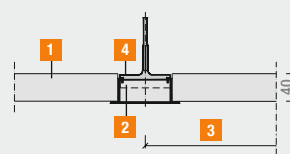
THERMATEX

- Fine Stratos
- Fine Stratos micro perforated
- Star
- Metal in white similar to RAL 9010, plain
- Metal in white similar to RAL 9010, perforated

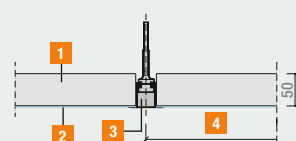
- 1 600 x 1400 x 50 mm Uno element
- 2 METAL FACE
- 3 100 mm bandraster
- 4 Bandraster at 1482 mm centres
- 5 50 mm THERMACOR panel



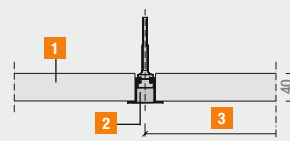
- 1 600 x 1400 x 40 mm Uno element
- 2 100 mm bandraster
- 3 Bandraster at 1482 mm centres
- 4 40 mm THERMACOR panel



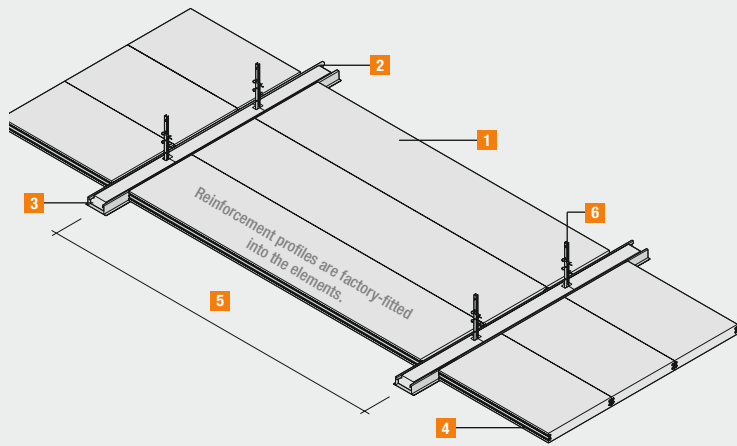
- 1 600 x 1400 x 50 mm Uno element
- 2 METAL FACE
- 3 Fill 50 mm bandraster with plaster
- 4 Bandraster at 1432 mm centres



- 1 600 x 1400 x 40 mm Uno element
- 2 Fill 50 mm bandraster with plaster
- 3 Bandraster at 1432 mm centres

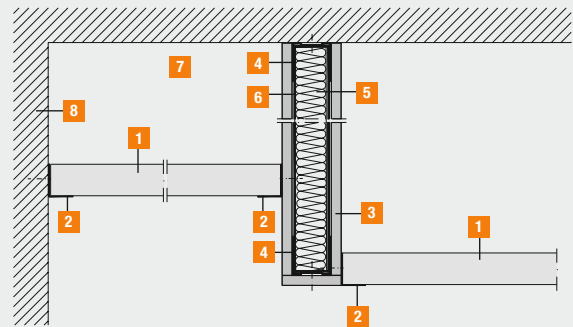


SK: square-edged, VT: recessed, GN: concealed, AW: shiplap. Please observe the test certificates and installation instructions in the Ceiling Systems Catalogue. Further accessories available as per price list!



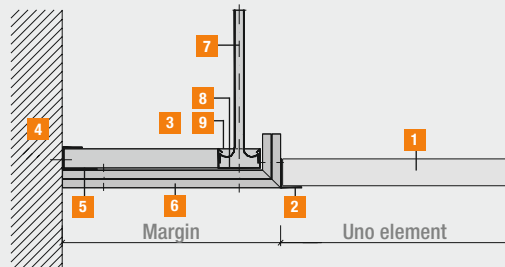
- 1 300 x 1800 x 40 mm Uno element
- 2 40 mm THERMACOR panel
- 3 50 or 100 mm bandraster
- 4 Reinforcement profile
- 5 Bandraster at 1882 mm centres
- 6 Nonius hangers every 700 mm

BULKHEAD



- 1 Uno element
- 2 Wall trim
- 3 Plasterboard panel
- 4 U-shaped profile
- 5 Mineral wool
- 6 C-shaped wall stud
- 7 Soffit
- 8 Solid wall or light partition

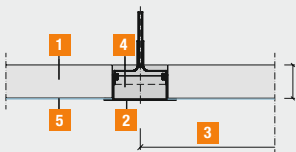
MARGIN



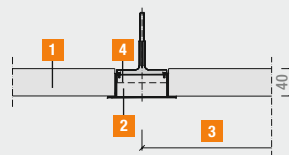
- 1 Uno element
- 2 Wall trim
- 3 C-shaped transverse ceiling profile, separation a=400 mm
- 4 Solid wall or light partition
- 5 U-shaped profile
- 6 Fireboard panel
- 7 Nonius hangers every 585 mm
- 8 C-shaped profile
- 9 Levelling connector

300 x 1800 mm Uno Element

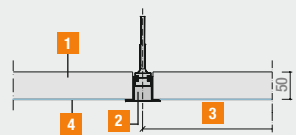
- 1 300 x 1800 x 50 mm Uno element
- 2 100 mm bandraster
- 3 Bandraster at 1882 mm centres
- 4 THERMACOR panel
- 5 METAL FACE



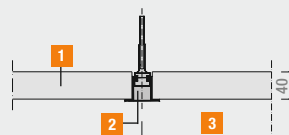
- 1 300 x 1800 x 40 mm Uno element
- 2 100 mm bandraster
- 3 Bandraster at 1882 mm centres
- 4 THERMACOR panel



- 1 300 x 1800 x 50 mm Uno element
- 2 Fill 50 mm bandraster with plaster
- 3 Bandraster at 1832 mm centres
- 4 METAL FACE

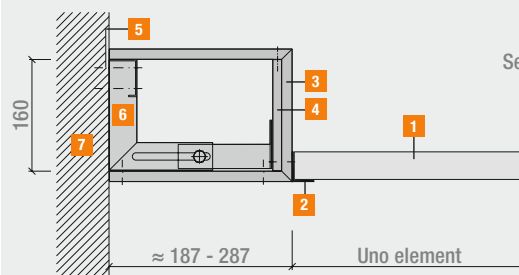


- 1 300 x 1800 x 40 mm Uno element
- 2 Fill 50 mm bandraster with plaster
- 3 Bandraster at 1832 mm centres

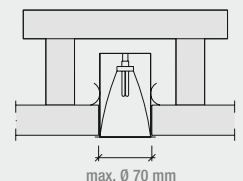
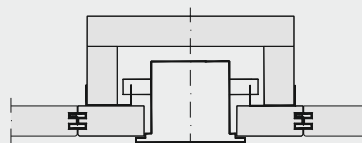


Perimeter detail

WALL BRACKET

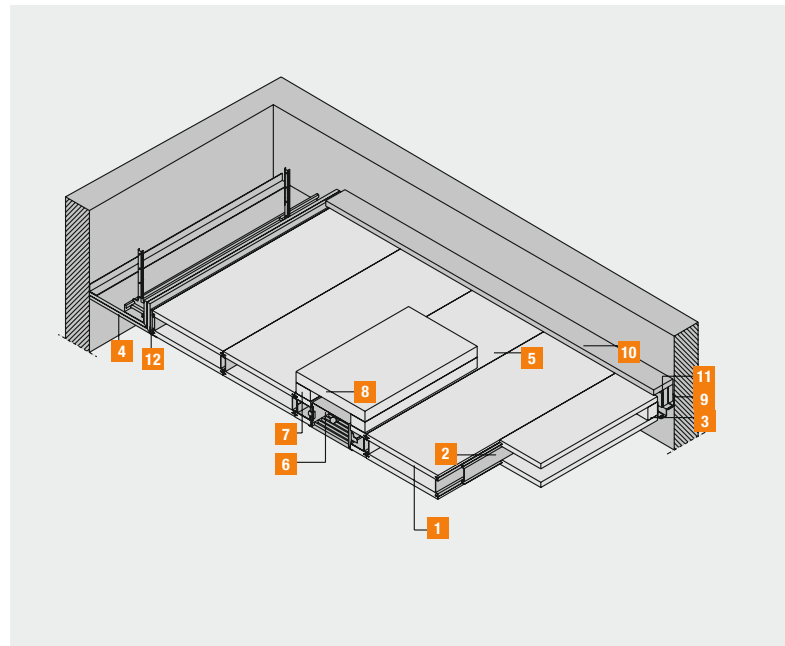


- 1 Uno element
- 2 Wall trim
- 3 15 mm Fireboard
- 4 12.5 mm Fireboard
- 5 Approved fixings according to statical requirements
- 6 Wall bracket
- 7 Solid wall or light partition



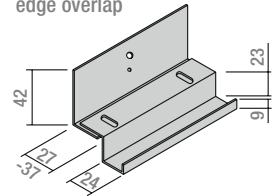
Recessed fittings with fire resistant light boxes for mineral and metal

SYSTEM F30 DUAL +METAL



- 1** Modular elements comprising 39 mm thick mineral panels at top and bottom
- 2** Steel edge profile
- 3** Panel head filler
- 4** Gypsum board margin
- 5** Lighting element
- 6** Flush-mounted light fitting
- 7** Spacer strip (mineral)
- 8** Light box (mineral)
- 9** Adjustable shadow trim
- 10** Fireboard strip
- 11** Wall insulation with intumescent strip
- 12** Wall insulation with mineral wool

SRW AK
adjustable with
edge overlap



Construction

■ The AMF System F30 Dual fire protection ceiling fulfils all the building component classification requirements as per DIN 4102 and EN 1364-2 both from above, the void, and from below, in the case of room fires. They therefore take into consideration the often neglected fire hazard arising from the presence of materials such as electrical cables, conduits and data cables in the ceiling void, some of which can be highly flammable. This ready-to-install system eliminates time-consuming and costly installation work. Attachment of the modular elements to solid walls or light partitions is fast and trouble-free - even for extra long spans - thanks to shadow trims. Installation options include tested and firesafe integrated lighting systems.

AVAILABLE FORMATS

- 300 x 1200 - 2500 mm, further formats available on request

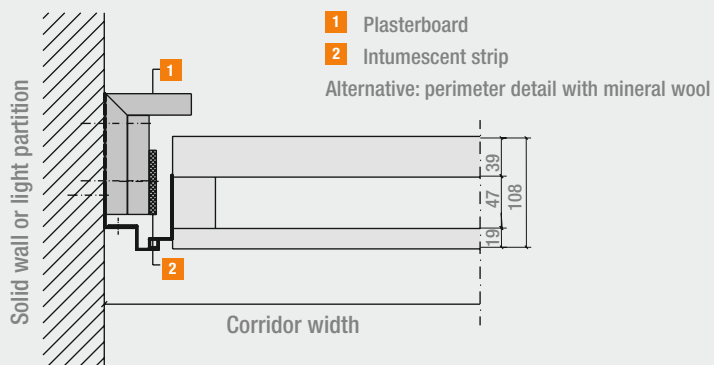
AVAILABLE SURFACE PATTERNS

THERMATEX

- Metal in white similar to RAL 9010, plain
- Metal in white similar to RAL 9010, perforated

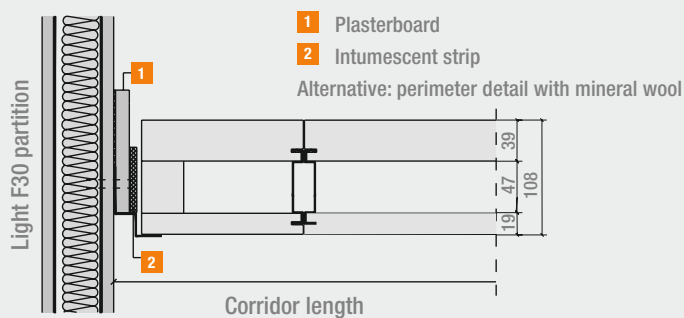
SK: square-edged, VT: recessed, GN: concealed, AW: shiplap. Please observe the test certificates and installation instructions in the Ceiling Systems Catalogue. Further accessories available as per price list!

SWING-DOWN DUAL ELEMENT



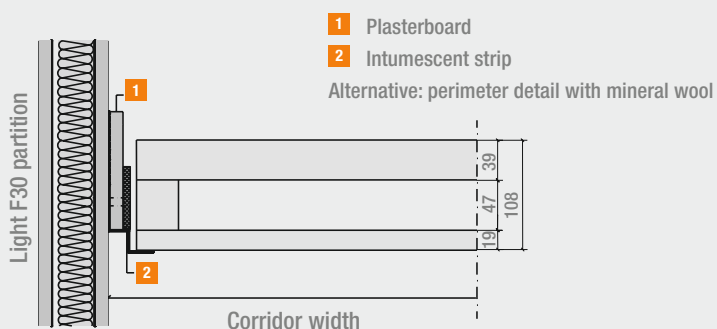
Adjustable shadow trim with material thickness of 2.0 mm on the wall side. Fastening to the solid wall by means of dowels and screws at max. 210 mm intervals.

DEMOUNTABLE DUAL ELEMENT



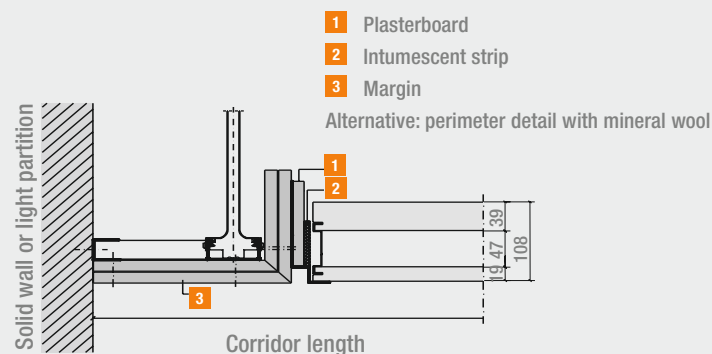
Wall connection towards the end of the corridor with slimmer modular element widths due to unfavourable ceiling proportions and without compensating margin.

DEMOUNTABLE DUAL ELEMENT



42/20/23/24 mm shadow trim, material thickness 1.5 mm. Fastening to solid walls by means of dowels and screws at max. 210 mm intervals. At light partitions, use sets of 2 drywall screws, e.g. 4.2 x 35 mm, in the region of the studs, a < 625 mm.

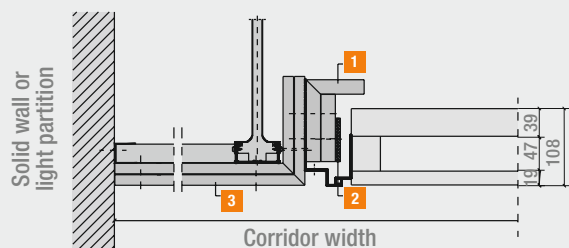
MARGIN



Wall connection towards the end of the corridor with full size modular element widths but with margin construction to compensate for structural variations beyond the AMF module sizes.

Perimeter detail

SWING-DOWN DUAL ELEMENT



Margin with Nonius hangers

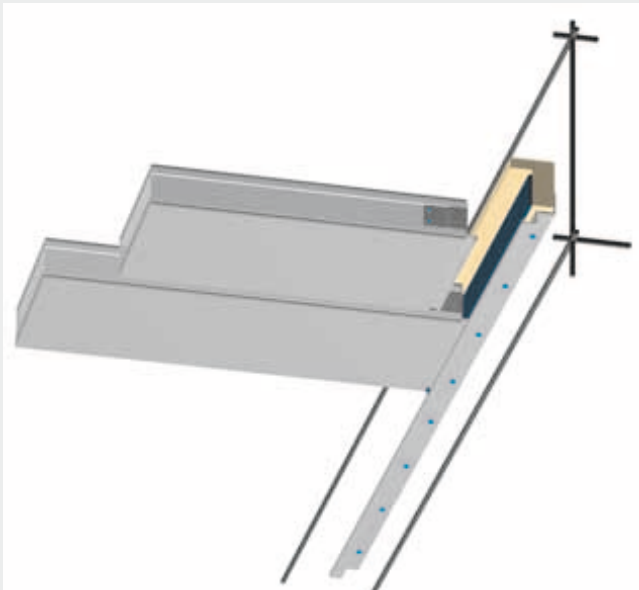
- 1 Plasterboard
- 2 Intumescent strip
- 3 Margin

Alternative: perimeter detail with mineral wool



SYSTEM F30 DUAL +METAL

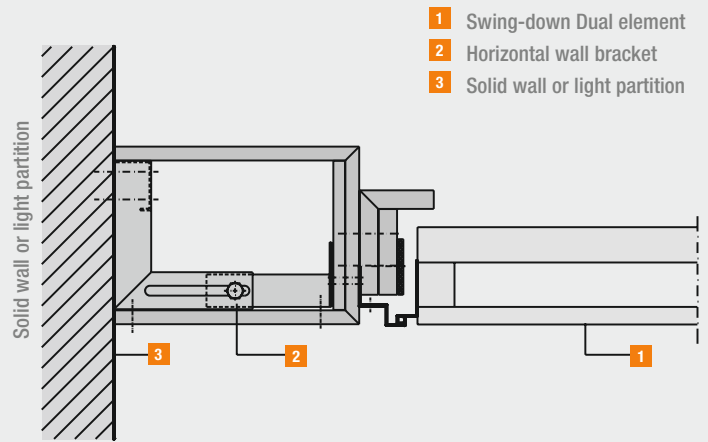
SWING-DOWN



Adjustable shadow trim

Wall insulation with intumescent strip
Also available with mineral wool.

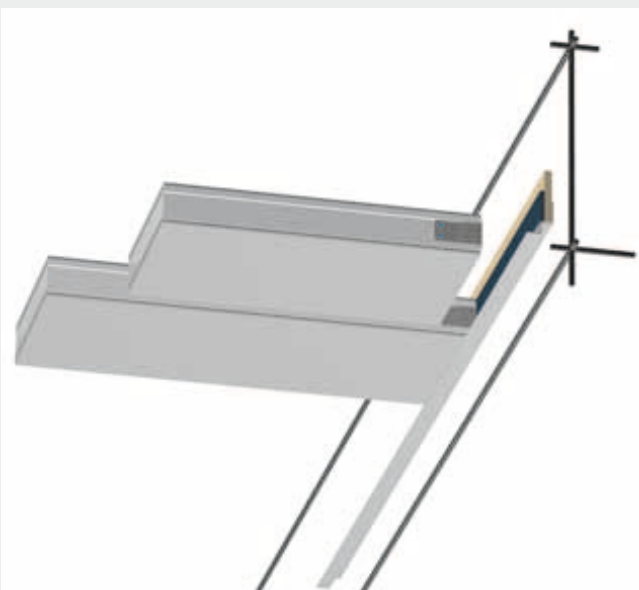
HORIZONTAL WALL BRACKET



See Page 19 for details

Shadow-trim Corner Element

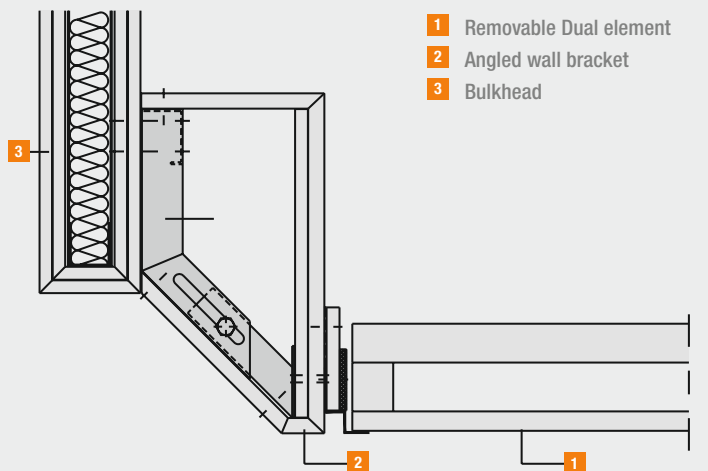
DEMOUNTABLE



Shadow trim corner element

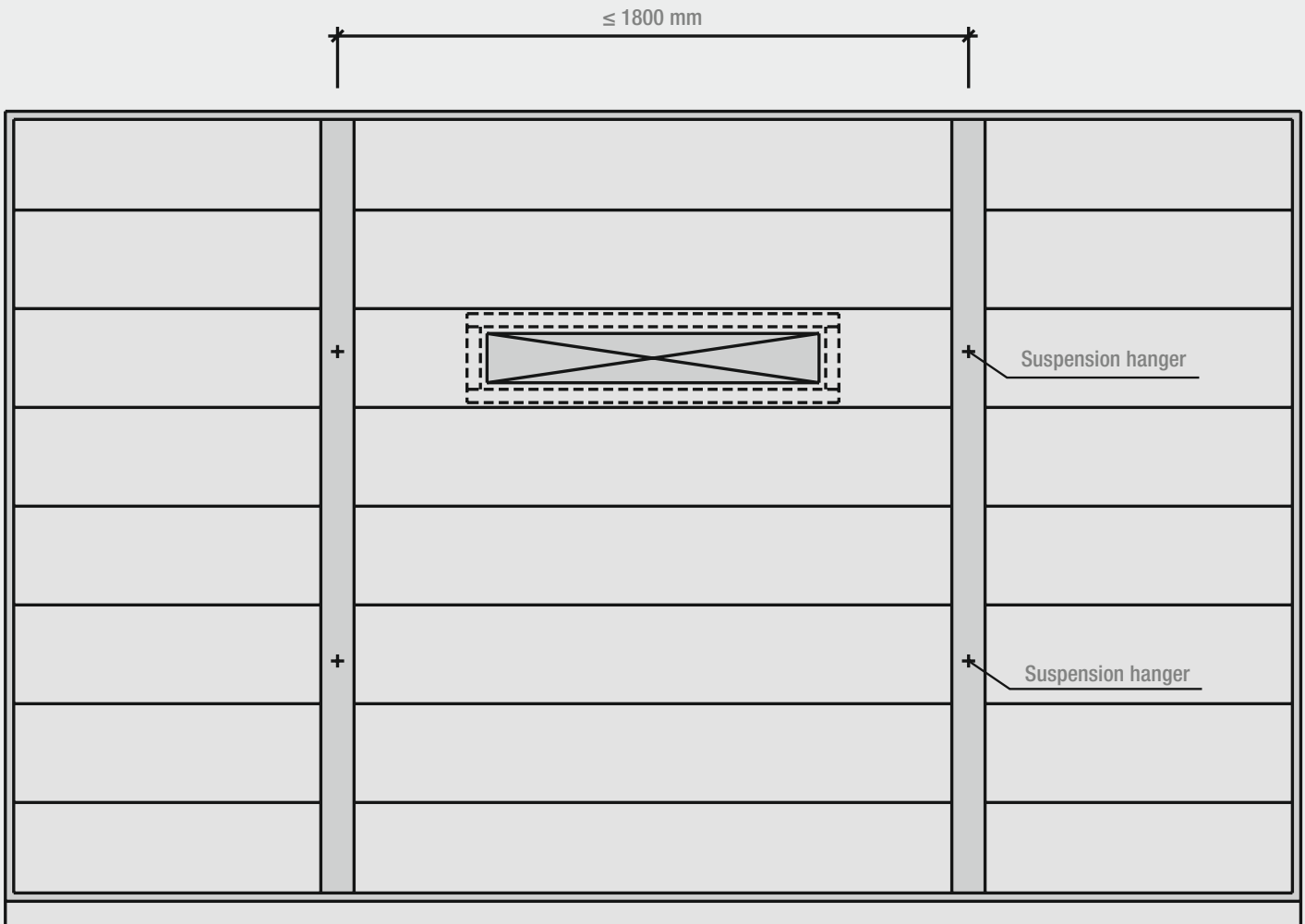
Wall Bracket

ANGLED WALL BRACKET



See Page 19 for details

SK: square-edged, VT: recessed, GN: concealed, AW: shiplap. Please observe the test certificates and installation instructions in the Ceiling Systems Catalogue.
Further accessories available as per price list!



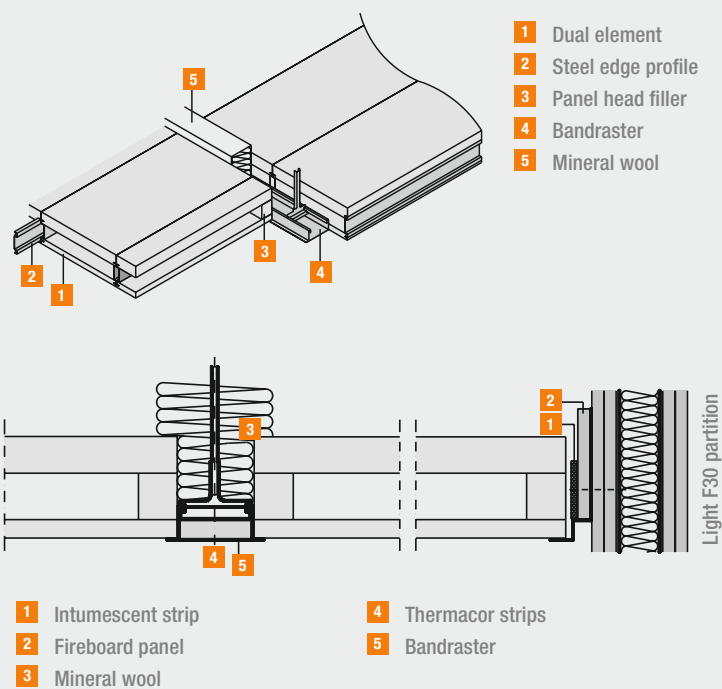
Light partition > F30 (metal stud wall) or solid wall

Parallel Bandraster

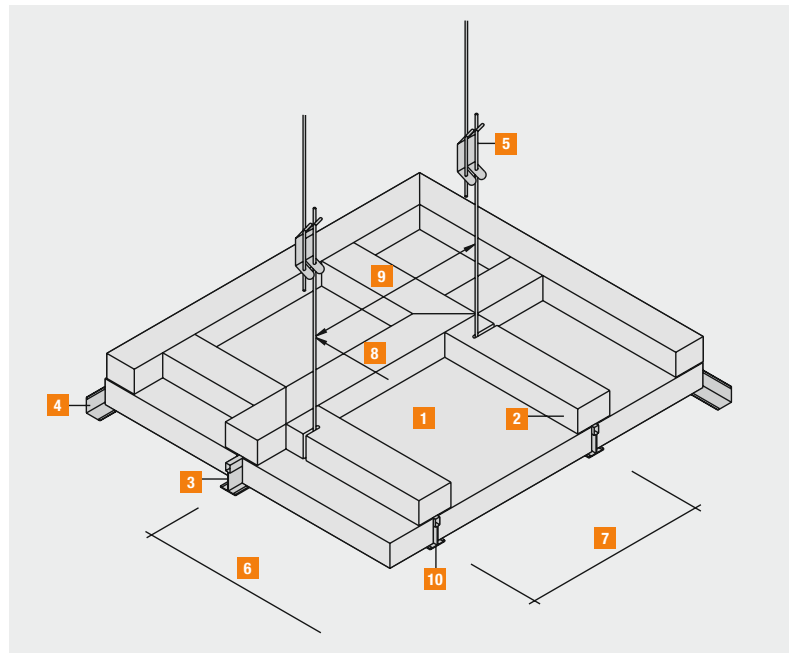
For rooms and corridors with a width greater than 2500 mm it is possible to use a parallel bandraster construction both with solid and light walls.

Bandraster profiles of 50 / 75 / 100 / 125 mm width can be used. In applications such as this the bandraster profiles should be installed with AMF strips and mineral wool.

This construction type also allows trouble-free access to the ceiling void by removal of the AMF module elements. A swing-down construction is also possible using a special bandraster.



SYSTEM F30 MONO



- 1 Mono panel
- 2 Covering strip (factory fitted)
- 3 Cross profile
- 4 Wall trim, 24 x 24 mm
- 5 Quick-assembly suspension hanger
- 6 Max. module dimension, 625 mm
- 7 Max. module dimension, 625 mm
- 8 Suspension spacing, alternating between 750 and 500 mm
- 9 Max. distance between main runners, 625 mm
- 10 Main runner

Construction

■ The AMF System F30 Mono fire protection ceiling is an independent system that offers optimum safety and economy. This means that in the event of a fire in the ceiling void, the System F30 Mono fire protection ceiling will protect the life-saving escape routes below; conversely - in the event of a fire from below - it will protect the services installed in the ceiling void.

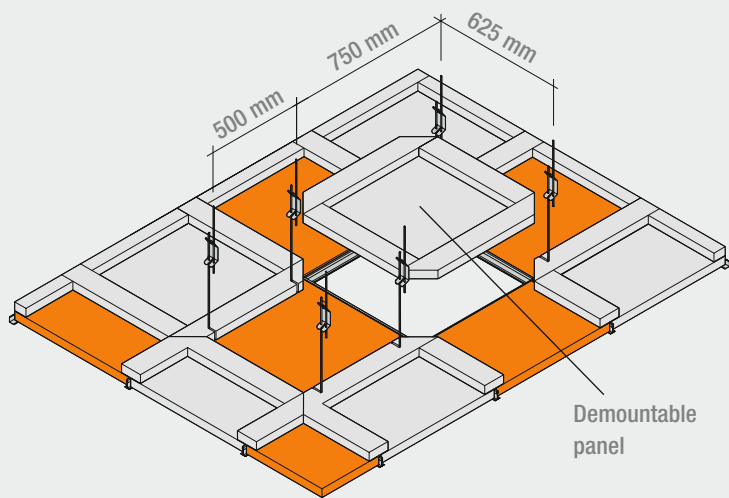
AVAILABLE FORMATS

■ 600 x 600 / 625 x 625 mm, further formats available on request

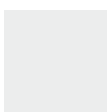
AVAILABLE SURFACE PATTERNS

THERMATEX

- Fine Stratos
- Fine Stratos micro perforated
- Star



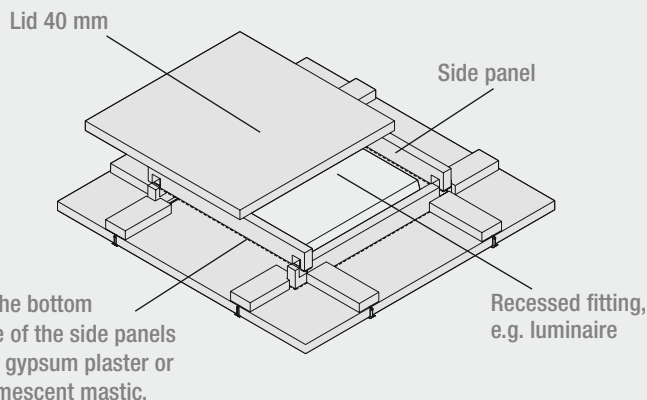
AMF Mono panels without cover strips



AMF Mono panels with cover strips applied on all sides

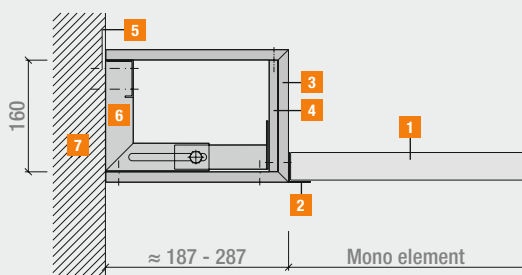
For fire loads only from above, main profile separation = 1250 mm, otherwise as per test certificate
 For fire loads only from below or from below and above, main runner spacing = 625 mm, otherwise as per test certificate

Fire-resistant light box for recessed luminaires.
 Module size: 600 x 600 mm / 625 x 625 mm
 Panel thickness: 40 mm
 Internal height: 80 mm
 Other formats and heights available on request



Perimeter detail

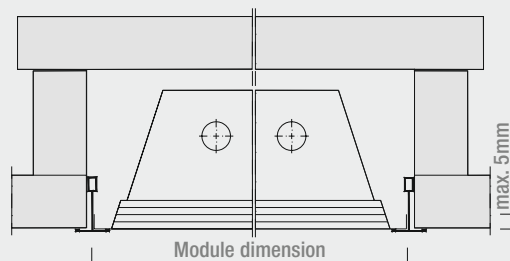
WALL BRACKET



- | | |
|----------------------------------|---|
| 1 Mono panel | 5 Approved dowels according to static requirements |
| 2 Wall angle bracket | 6 Wall bracket |
| 3 15 mm Fireboard panel | 7 Solid wall or light partition |
| 4 12.5 mm Fireboard panel | |

Fire Resistant Light Box

Detail for installation of recessed light fittings for exposed grid system (System C installation, SK-type edge)



For installations like lighting, ventilation, sprinkler facilities, etc., the height of the base must not exceed 5 mm.

AMF PROJECTS

GERMANY



INLAND REVENUE OFFICE, WIESBADEN

AMF Project	■ Wiesbaden Inland Revenue Office
Contractor	■ State Construction Office of Wiesbaden
AMF Product	■ Hinged Dual / Metal in white, perforated
Quantity	■ 2,000 m ²





■ DRAFT SPECIFICATIONS AND TECHNICAL INFORMATION

For copies of draft specifications please contact AMF on:

Telephone: +49 (0) 85 52 / 422 - 0
Fax: +49 (0) 85 52 / 422 - 32
E-mail: info@knaufamf.de

Full technical information, assessments, test reports, samples etc. are available on request.

We recommend you consult AMF representatives for further technical information.

■ IMPORTANT NOTICE

Due to reproduction processes, colours shown in this catalogue may differ from the actual product colour. We recommend that Product selection should always be made directly from AMF samples and also different production batches should not be mixed.

This catalogue supersedes all previous editions. All details and technical information stated in this brochure and other publicity material referring to AMF products are based on test reports obtained under laboratory conditions. Every effort is made to ensure the accuracy of this technical data, however all information is subject to change without notice. Errors and omissions excepted.

The most current technical and product information is available on our website www.amfceilings.com.

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 Business address: Elsenenthal 15, D-94481 Grafenau

Knauf AMF Headquarters Grafenau

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Central / Northern Sales

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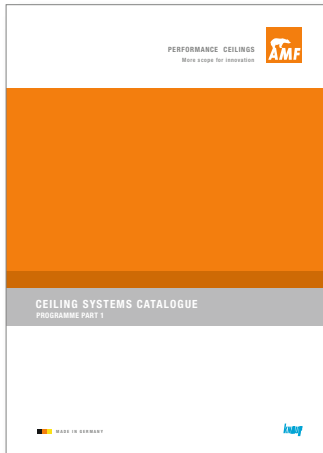
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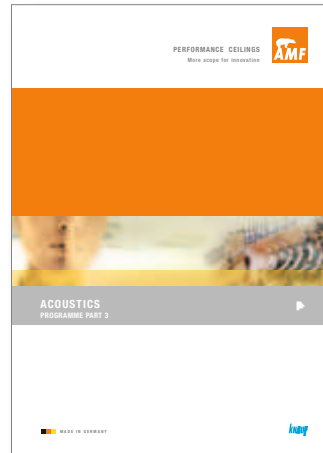
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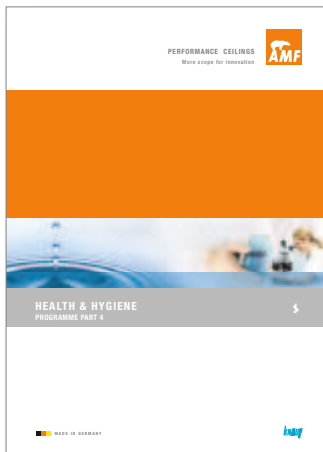
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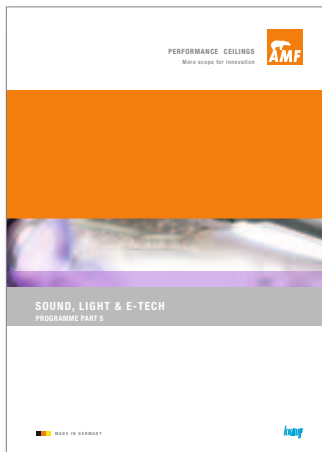
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Part 3



Part 4

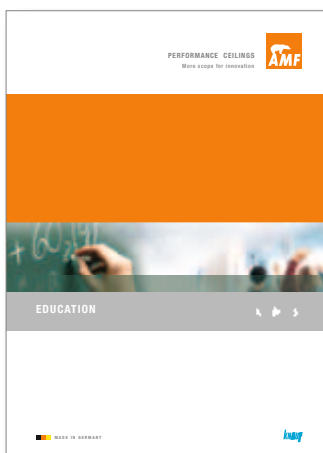


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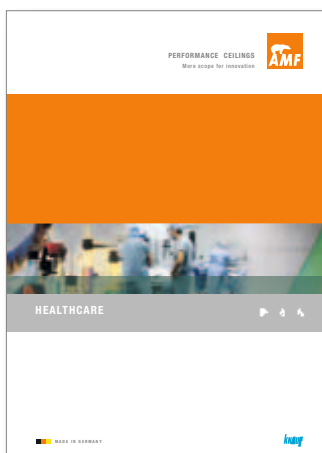


Part 6

AMF APPLICATIONS



Part 1



Part 2

All Programme catalogues can be obtained by sending in the fax reply card or by download from www.amfceilings.com



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