

The ceiling elements of this fireproof ceiling are hooked onto carrier rails on both sides of the corridor. They can be swung down and slid without the need for any tools. No additional ceiling void is required for maintenance works. This fireproof ceiling enables a good compensation of tolerances on the wall.

- + general building authority test certificate No. P-SAC-02 /III-648
- + freely spanned construction
- + good compensation of tolerances on the wall is possible due to an adjustable wall connection
- + maintenance option due to ceiling elements that can be individually operated, swung down and slid without tools
- + swung down ceiling elements can be moved together to receive a large inspection opening
- + no additional ceiling void is necessary for maintenance works
- + hygienic and easy to clean



APPLICATIONS

Healthcare: Clinics and Hospitals, Laboratories

Workplace: Data Centres, Utility Rooms

Public Areas: Escape Routes

Education: Research Rooms

Industry: Laboratories and Research Facilities

Recreation and Culture: Places of Assembly

Hotels and Gastronomy: Hotels and Resorts

Public Institutions



REQUIREMENTS

Design: Perforation, Powder Coating, Steel

Fire Protection: Fire Behaviour / Building Material Class, Fire Resistance

Acoustics: Room Acoustics, Airborne Sound Reduction

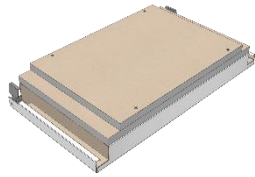
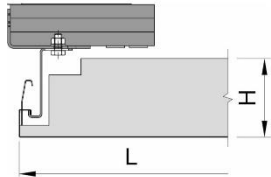
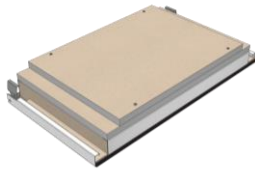
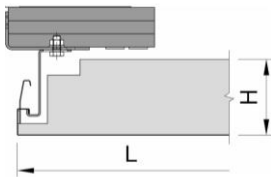
Corrosion Protection: Interiors

Sustainability: Environmental Product Declaration





CEILING ELEMENTS

Type	LMD F90-A Type 8		
Description	with mineral wool		
Length (L)	500 – 2,500 mm		
Width (B)	200 – 397 mm		
Height (H)	86 mm		
Type	LMD F90-AB Type 8		
Description	with mineral wool		
Length (L)	500 – 2,500 mm		
Width (B)	200 – 397 mm		
Height (H)	86 mm		

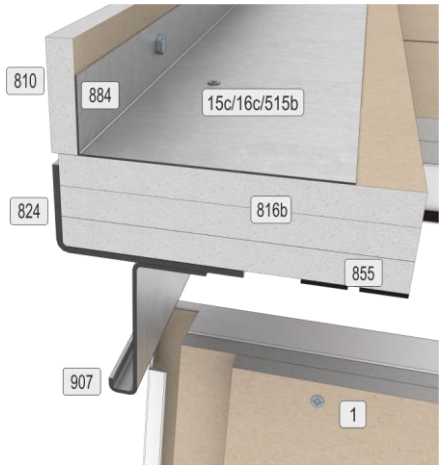


TECHNICAL DATA

Material	galvanised sheet steel
Weight	55 – 58 kg/m ²
Joint width	~ 3 mm
Serviceability	swing-down and slide option or removable without tools
Wall connection options	plasterboard frieze, plasterboard partitions, massive walls, concrete walls



COMPONENT LIST

1	metal ceiling element	
15c	hexagonal nut	
16c	U-washer	
515b	hexagonal screw	
810	GKF/DF pre-cut 15 mm	
816b	GKF/DF moulded part 15 mm	
824	L-wall profile 43x90	
855	foaming gasket strip	
884	L-profile	
907	Z-hook-on profile 75	



ACOUSTICS

Room acoustics			
Rated sound absorption coefficient	DIN EN ISO 354	α_w	0.15 – 0.90
Sound absorber class	DIN EN ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 – 0.85



FIRE PROTECTION

Building material class		
Building material class	DIN EN 13501-1	A2 – s1,d0
Fire resistance		
Fire resistance	DIN 4102-2	F 90 from above, F 30 from below



DURABILITY

Exposure class	DIN EN 13964	A
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SUSTAINABILITY

Product self-declaration	A self-declaration according to ISO 14021 is available. The self-declaration provides extensive information about all environmental effects of the product. It can be used in the planning or tender phase to assess all sustainability-relevant aspects. It serves as a data basis for building certification systems such as LEED, DGNB and BREEAM.
Environmental product declaration	A specific EPD for the product can be generated according to the valid standards (EN 15804/ ISO 14025).
Circular Economy	By implementing the Circular Economy ideology we avoid waste, toxic substances and environmental pollution. The aim is to achieve a technical cycle, which ensures the separation and the complete re-use of all materials.



SURFACES

Perforations	BASICline, REGULARline, SPREADline
Powder coatings	COLOURline, MOODline, ARTline, GRAPHICline



STATICS

Seismic safety	Qualification according to AC 156/Eurocode/DIN EN 1998-1 Zone 0 – 3
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CERTIFICATION

CE marking	The ceiling system is a harmonised construction product acc. to regulation (EU) No. 305/2011 (Construction Products Regulation) and EN 13964: Suspended ceilings - Requirements and test methods.
TAIM e.V.	The ceiling system fulfils the requirements of the "Technical Manual Metal Ceilings" (TMMC) of TAIM e.V. (Association of Industrial Metal Ceiling Manufacturers).



ADDITIONAL EQUIPMENT

Luminaires for metal fireproof ceilings	Perfectly integrated Lindner lighting solutions are available.
Escape sign luminaires	Pictograms for escape routes are available for fastening on metal fireproof ceilings.
Loudspeakers	Low installation loudspeakers, ELA loudspeakers and ELA loudspeakers acc. to EN54 can be integrated.
Protective boxes	Integration of external fixtures possible by means of protective boxes.
Ventilation components	Ventilation components of Wildeboer can be integrated into suspended fireproof ceilings.