



LMD-St 215

Hook-On Expanded Metal Ceiling with Open Joints, Frameless

The expanded metal ceiling LMD-St 215 has an especially open character thanks to frameless ceiling panels that are hooked onto hook-on profiles on the longitudinal side. A large number of possible meshes and joint widths allow you free scope for design. The ceiling void is visible to a greater or lesser extent, depending on your requirements. In any case, the ceiling panels can be removed individually without tools.

- frameless expanded metal ceiling with special open character
- many design possibilities thanks to different mesh types, shapes and sizes
- the possibility to see – to a greater or lesser extent – into the ceiling void depends on the mesh or the requirement
- installation of illumination or further fixtures in the ceiling void is possible in case of a high open area
- ceiling layout with open joints
- easy maintenance option due to ceiling panels that can be individually operated without tools

Examples for areas of application

Businesses, Recreation and Culture: Shopping Centres, Museums and Exhibitions, Stadiums and arenas, Places of Assembly, Banks, Cinema and multiplex cinemas, Sales Areas

Work: Assembly Rooms, Common Rooms, Facilities for Meetings, Conventions and Conferences, Office buildings

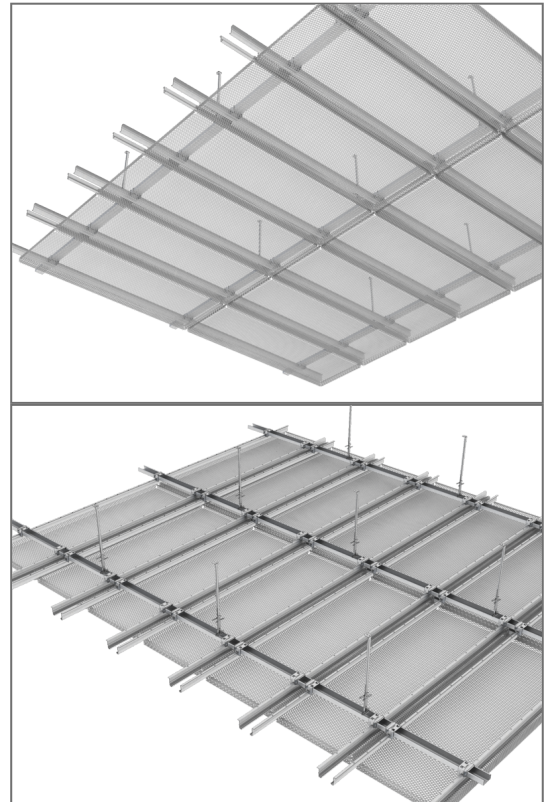
Transport: Train Stations, Airports

Public Institutions: Courts and prisons, Government and municipal buildings

Education: Library

Public Areas: Entrance Areas

Hotels and Gastronomy: Hotels and Resorts



TAIM

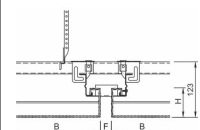
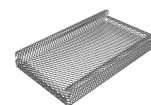


Ceiling elements

LMD-St 215 Typ 1

Hook-On on longitudinal side, frameless expanded metal

Length (L)	250 - 2000 mm
Width (B)	200 - 750 mm
Height (H)	65 mm
Joint width (F)	~ 20 mm





Technical details

Technical Details

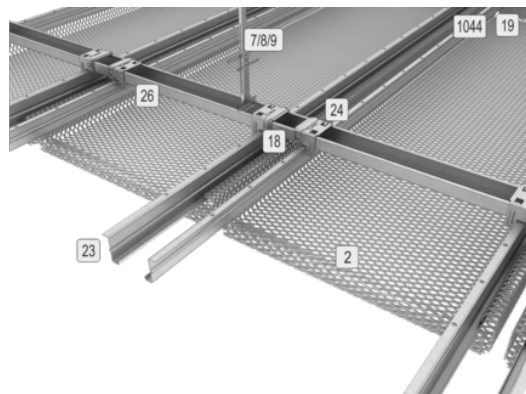
Material	galvanised sheet steel
Serviceability	removable
Possible wall connections	L-angle open wall connection shadow gap trim
Weight	7 - 9 kg/m ²

Notice: Weight without fixtures/installations

Component list

Bauteile

2	expanded metal ceiling panel
7/8/9	vernier suspension
18	self-tapping screw trapezoidal head
19	self-drilling screw fillister head
23	Z-hook-on profile 48
24	cross connector for suspension channel 60 to Z-hook-on profile 48
26	suspension channel 60
1044	spacer for Z-hook-on profile 48/215



Acoustics

Room acoustics

Sound absorber class	ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 - 0.90
Evaluated Sound Absorption Coeff.	ISO 11654	α_w	0.15 - 1.00

Fire protection

Building material class

Building material class	EN 13501-1	A2 - s1,d0
Building material class	ASTM E 84	class A

Durability

Durability

Exposure class	EN 13964	A
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Sustainability

Declarations

EPD (Environmental Product Declaration)	The product has a verified EPD in compliance with the applicable standards. (ISO 14025/EN 15804)
Circular Economy	Cradle to Cradle Certified® Gold
French VOC Regulation	Emission class A+
Product Self-Declaration	A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy).

Key figures

Recycled content	24.30 %
Indoor air measurement EN 16516 options	< 5 µg/m³
Formaldehyde emissions	< 3 µg/m³

Evidence

Indoor Air Comfort	Accomplished
Indoor Air Comfort Gold	Accomplished
AgBB	Accomplished
BREEAM International	Conform
LEED v4	Conform
DGNB	Conform

Green Level Certificate

Outstanding 

Circularity: All components can be reused/ refurbished

Life Cycle Assessment: EPD according to ISO 14025 and EN 15804

Cradle to Cradle Certified®: C2C Certified® Gold

Surfaces

Surfaces

Powder coatings	COLOURline - Powder Coating MOODline - Powder Coating Deep Matt
Expanded metal	MESHdesign Light - Filigree Expanded Metal

Additional equipment

Additional equipment

Acoustic inlays	Acustica - Acoustic fabric inlay Calma - Glass yarn inlay in textile cover
Luminaires	LK 73 - Light channel



Certification

Certificates	
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).

Applications



Project solutions

This product data sheet refers to the standard version of the product mentioned above. We would be happy to work with you to find the right solution for your project. Adapted to your building project, you will receive a perfectly matched system. Project-specific constructions and adaptations can be found in the offer documents.