

The system LMD-E 200 creates a homogeneous ceiling surface with concealed substructure by means of overlapping Hook-On metal ceiling panels. This robust and economic construction combines appealing visual with ease of maintenance: the shape and size of the ceiling panels can flexibly be designed according to your wishes. Moreover, the panels can be removed without the need for any tools.

- + homogeneous ceiling surface due to concealed substructure
- + individual design thanks to flexible panel shapes and sizes
- + easy maintenance option of ceiling panels without tools
- + cost-effective ceiling system as economic solution
- + hygienic and easy to clean

APPLICATIONS

- Recreation and Culture:** Banks, Places of Assembly, Stadiums, Cinemas and Theatres, Museums, Public Swimming Pools, Sales Areas, Shopping Centres
- Workplace:** Facilities for Meetings, Conventions and Conferences, Offices, Assembly Rooms, Common Rooms
- Healthcare:** Clean Rooms, Clinics and Hospitals, Laboratories, Operating Theatres, Pharmacies (Production)
- Education:** Library Rooms, Research Rooms, School, School of Higher Education
- Transport:** Airports, Train Stations
- Industry:** Clean Rooms, Laboratories and Research Facilities, Production Facilities
- Public Institutions:** Court Houses, Government Buildings
- Hotels and Gastronomy:** Hotels and Resorts
- Public Areas:** Entrance Areas

REQUIREMENTS

- Design:** Digital Print, Perforation, Powder Coating, Stainless Steel, Steel
- Corrosion Protection:** Interiors, Wet Areas
- Sustainability:** Cradle to Cradle®, Environmental Product Declaration
- Acoustics:** Room Acoustics
- Fire Protection:** Fire Behaviour / Building Material Class
- Statics:** Seismic Safety

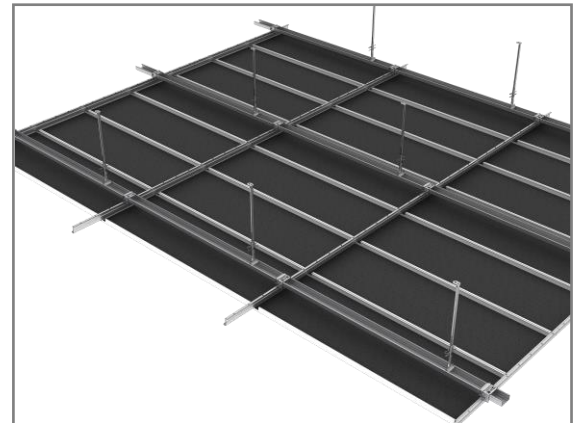
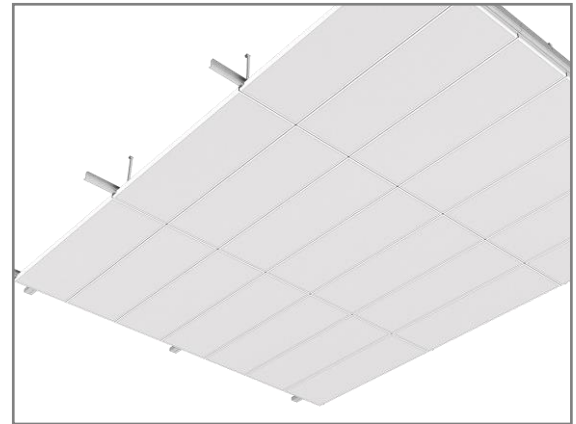

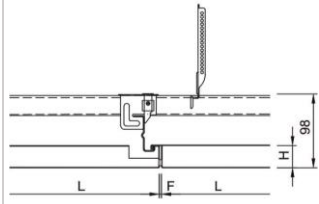
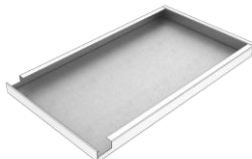
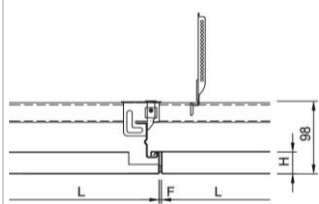
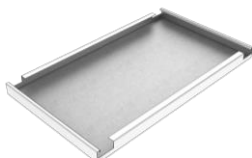
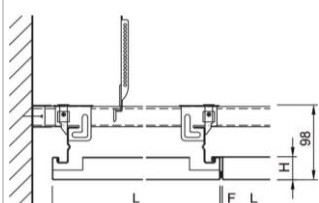
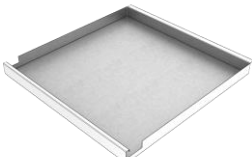
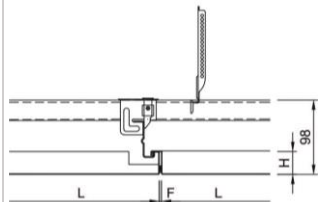




TABLE OF TYPES

LMD-E 200 Type 2			
Hook-On/Lay-On			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	butt joint, 1, 3 or 5 mm		
LMD-E 200 Type 3			
Hook-On/Lay-On self-aligning			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	butt joint, 1, 3 or 5 mm		
LMD-E 200 Type 4			
Hook-On on both sides			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	butt joint, 1, 3 or 5 mm		
LMD-E 200 Type 5			
Hook-On/Lay-On, cassette			
Length (L)	250 - 625 mm		
Width (B)	200 - 625 mm		
Height (H)	30 mm		
Joint width (F)	butt joint, 1, 3 or 5 mm		

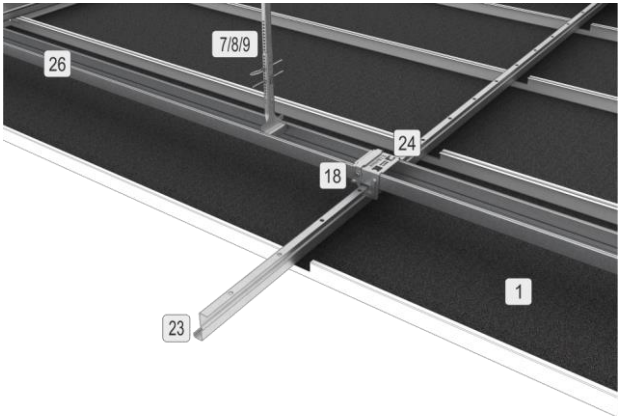


TECHNICAL DATA

Material	galvanised sheet steel
Weight	approx. 8 - 10 kg/m ² (without fixtures/installations)
Serviceability	removable without tools
Wall connection options	L-angle, shadow gap trim, open wall connection



COMPONENT LIST

1	metal ceiling panel	
7/8/9	vernier suspension	
18	self-tapping screw trapezoidal head	
23	Z-hook-on profile 48	
24	cross connector for suspension channel 60 to Z-hook-on profile 48	
26	suspension channel 60	



ACOUSTICS

Room acoustics			
Rated sound absorption coefficient	DIN EN ISO 354	α_w	0.15 – 1.00
Sound absorber class	DIN EN ISO 11654		E - A
Noise Reduction Coefficient	ASTM C 423	NRC	0.15 – 0.95



FIRE PROTECTION

Building material class		
Building material class	DIN EN 13501-1	A2 – s1,d0
Building material class	ASTM E 84	Class A
Fire stability		
Fire stability	NBN 713.020	45 minutes



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	The product has a specific EPD according to the valid standards. (EN 15804/ ISO 14025)
Circular Economy	The product is Cradle to Cradle Certified® Gold. 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

Powder coatings	COLOURline, MOODline, ARTline, GRAPHICline
Perforations	BASICline, REGULARline, SPREADline
Design surfaces	TOUCHdesign Lunar
Functional coatings	Meteo, Mutex



STATICS

Seismic Safety	qualification according to AC 156/Eurocode/SIA 261
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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

Acoustic inlays	Acustica – Acoustic fabric inlay Insula – Mineral wool inlay in acoustic foil
Ventilation components	AirBox S – Supply air elements AirBox E – Exhaust air elements AirBeam – Heated/Chilled beams
Luminaires	IS 17 – Integrated luminaire for general areas IS 22 – Integrated luminaire for monitor work stations IS 450 – Integrated luminaire for office and general areas LK 73 – Light channel QZI – Integrated luminaire with cell louvres DPL – Integrated luminaire for post cap ceilings
Inspection hatches	LMD-RK 10 – Inspection hatch
Heating and cooling function	System with integrated heating and cooling technology is available: Plafotherm® E 200



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.