

A concealed substructure and open joints exceeding 10 mm characterise this Hook-On ceiling. The open joints can also be used for independent installation of luminaires or fixtures. Variable joint distances and flexible panel shapes and sizes ensure individual design options. The Hook-On ceiling panels are very maintenance-friendly: they can be removed or swung down without the need for any tools.

- + homogeneous ceiling surface due to concealed substructure
- + individual design thanks to flexible panel shapes and sizes
- + ceiling layout with open joints
- + independent installation of luminaires and fixtures possible
- + easy maintenance option due to ceiling panels that can be individually operated, swung down and slid without tools
- + hygienic and easy to clean

APPLICATIONS

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

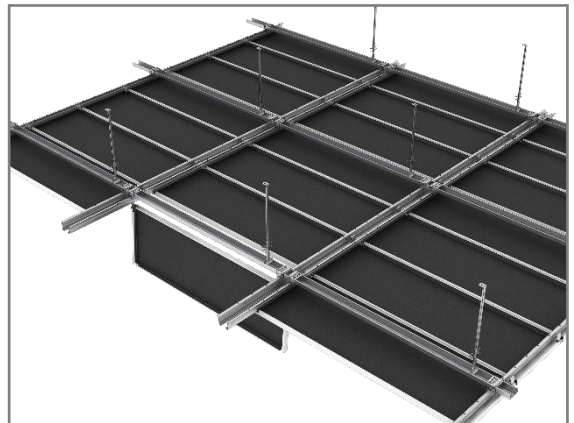
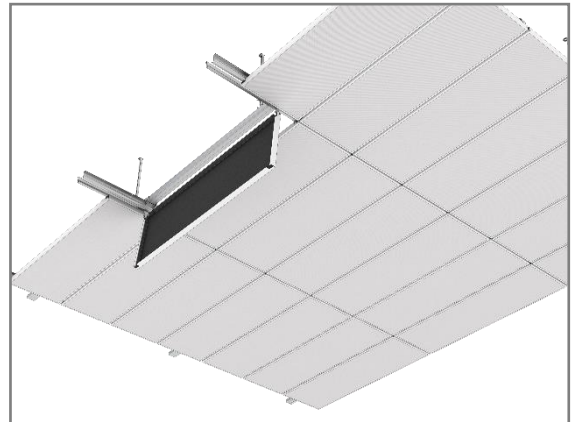

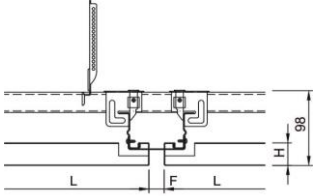
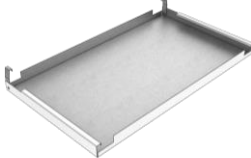
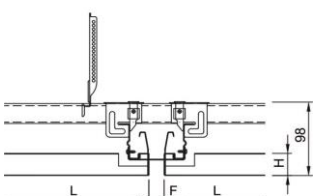

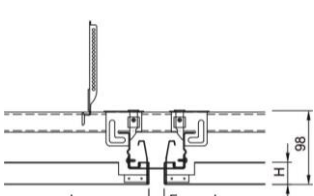




TABLE OF TYPES

LMD-E 214 Type 1			
Hook-On			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	10 - 100 mm		
LMD-E 214 Type 2			
Hook-On, Swing-Down option <1.2 m²			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	10 - 100 mm		
LMD-E 214 Type 3			
Hook-On, Swing-Down option			
Length (L)	250 – 3,000 mm		
Width (B)	200 – 1,250 mm		
Height (H)	30, 40, 50 mm		
Joint width (F)	10 - 100 mm		

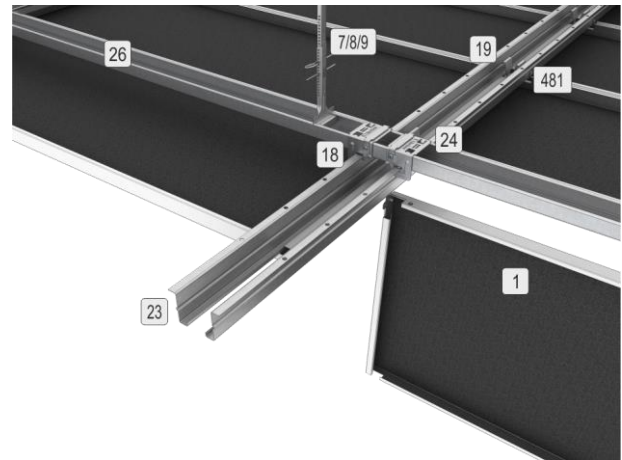


TECHNICAL DATA

Material	galvanised sheet steel
Weight	approx. 8 - 10 kg/m ² (without fixtures/installations)
Serviceability	swing-down and slide option without tools or removable
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
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
481	spacer for Z-hook-on profile 48


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


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



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
Heating and cooling function	System with integrated heating and cooling technology is available: Plafotherm® E 214

**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.