



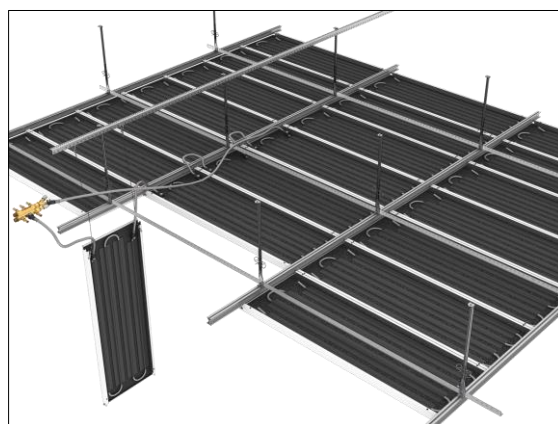
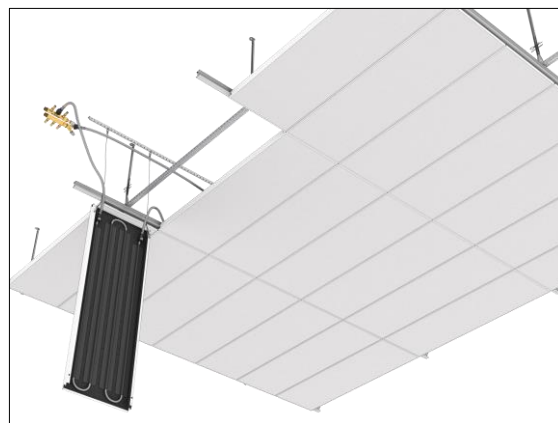
Plafotherm® E 210

Heated and Chilled Hook-On Ceiling with butt joint

Product description

The ceiling system with concealed substructure and continuous butt joints creates a pleasant climate and homogeneous ceiling surface in your rooms. Self-adjusting ceiling panels that can individually be removed without tools ensure an automatic joint alignment. The maintenance-friendly Hook-On ceiling with low construction height is an economic solution. You are very flexible in the combination of thermally active and passive areas.

- heating/cooling by means of radiation creates a pleasant room climate
- flexibility thanks to the combination of thermally active and passive areas
- homogeneous ceiling surface due to concealed substructure
- ceiling layout with continuous butt joint
- automatic joint alignment thanks to self-adjusting ceiling panels
- space-saving ceiling system with low construction height
- easy maintenance option due to ceiling panels that can be individually operated without tools
- cost-effective chilled ceiling system as economic solution
- hygienic and easy to clean



Project solutions

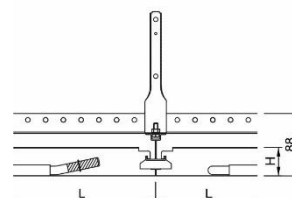
This product data sheet refers to the standard version of the product mentioned above.

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.



Ceiling elements

| Plafotherm® E 210 type 1 | | | |
|--------------------------|----------------|----------------|----------------|
| Hook-On | | | |
| Length (L) | 500 - 1,900 mm | 500 - 1,600 mm | 500 - 1,300 mm |
| Width (B) | 200 - 400 mm | 200 - 500 mm | 200 - 600 mm |
| Height (H) | approx. 40 mm | | |
| Joint width (F) | butt joint | | |



Technical data

| | |
|-------------------------|--|
| Material ceiling panel | galvanised sheet steel |
| Weight | approx. 14 - 16 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 |
| 6 | L-profile 28 |
| 8/9/114 | vernier suspension |
| 14/15/65 | screwing |
| 78 | self-drilling screw hexagon head |
| 437 | heating and cooling coil |
| 479 | PlafoTube® connecting/connection hose |
| 510 | T-hook-on profile 38 |



Acoustics

Room acoustics

| | | | |
|------------------------------------|------------------|------------|-----------------|
| Rated sound absorption coefficient | DIN EN ISO 11654 | α_w | 0.45 (L) - 0.80 |
| Sound absorption class | DIN EN ISO 11654 | | D - B |
| Noise Reduction Coefficient | ASTM C 423 | NRC | 0.60 - 0.80 |

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 |
|----------------|--------------|---|

HVAC

Heating and cooling

| Heating and cooling technology | Plafotherm® V2A | Plafotherm® Cu | Plafotherm® Cu Acoustic |
|---|-----------------|----------------|-------------------------|
| Nominal cooling capacity (10 K) according to EN 14240 in relation to the active area | 109 W/m² | 112 W/m² | 102 W/m² |
| Nominal heating capacity (15 K) according to EN 14037:2003 in relation to the active area | 123 W/m² | 126 W/m² | 118 W/m² |

Sustainability

| | |
|-----------------------------------|---|
| Product self-declaration | Self-declaration according to ISO 14021 |
| Environmental product declaration | EPD according to EN 15804 / ISO 14025 |
| Circular Economy | Cradle to Cradle Certified® Silver |
| French VOC Regulation | Emission class A+ |

Surfaces

| | |
|-----------------|---|
| Powder coatings | <u>COLOURline – Powder coating</u> <u>MOODline – Powder coating, deep matt</u> <u>ARTline – Decorative powder coating</u> <u>GRAPHICline – Digital print</u> |
| Perforations | <u>BASICline – Standard perforations</u> <u>REGULARline – Further perforations</u> |

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 | <u>Acustica – Acoustic fabric inlay</u> <u>Insula – Mineral wool inlay in acoustic foil</u> |
| Hydraulic components | <u>Plafotube® MQC – Connecting/Connection hose with MultiQuickConnect</u> <u>Fittings – Distribution system</u> |
| Luminaires | Lindner luminaires and luminaires from other manufacturers possible <u>IS 17 – Integrated Luminaire for general areas</u> <u>IS 22 – Integrated Luminaire for monitor work stations</u> <u>IS 450 – Integrated Luminaire for Office and General areas</u> <u>LK 73 – Light channel</u> <u>QZI – Integrated luminaire with cell louvres</u> <u>DPL – Integrated luminaire for post cap ceilings</u> |

Applications



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