

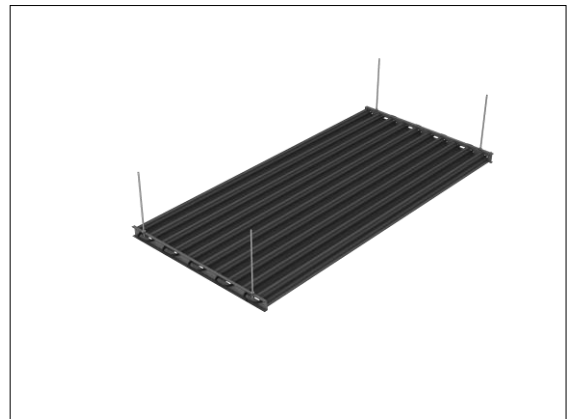
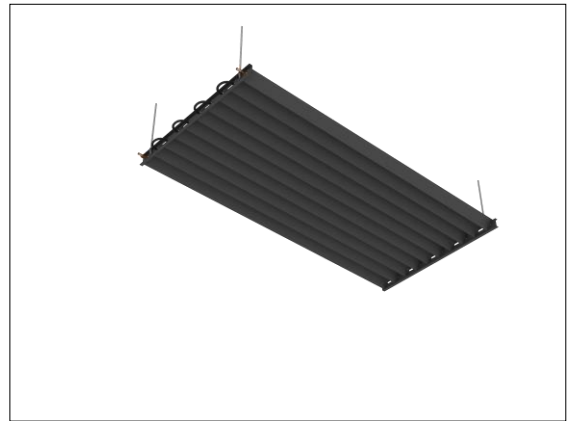


Plafotherm® KN Convection Element

Product description

Plafotherm® KN in modular construction achieves high cooling capacities and creates a pleasant room climate by means of convection. With its open construction and extensive combination possibilities, this convection element offers a wide variety of designs: it can be installed alone or in combination with different ceiling systems – for example with suspended expanded metal ceilings or baffle ceilings with an open area exceeding 65 % without capacity losses.

- cooling by means of convection creates a pleasant room climate
- high cooling capacity due to the open construction
- versatile design possibilities alone or in combination with other ceiling systems




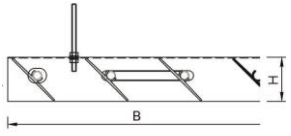
Project solutions

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® KN | |  |  |
|----------------|---------------------------------------|--|---|
| Length (L) | 1,000 - 2,500 mm (in steps of 100 mm) | | |
| Width (B) | 380 - 1,180 mm | | |
| Height (H) | 60 mm | | |
| Number of bars | 4 - 12 bars | | |

Technical data

| | |
|--------|--|
| Weight | approx. 8 - 9 kg/m ² (without fixtures/installations) |
|--------|--|

Component list

| | | |
|----------|-------------------------|--|
| 10/15/16 | threaded rod suspension |  |
| 463 | Plafotherm® KN module | |

Durability

| | | |
|----------------|--------------|---|
| Exposure class | DIN EN 13964 | A |
|----------------|--------------|---|

HVAC

| Heating and cooling | |
|---|--|
| Heating and cooling technology | Plafotherm® Cu |
| Nominal cooling capacity (10 K) according to EN 14240 in relation to the active area | 149 W/m ² |
| Nominal heating capacity (15 K) according to EN 14037:2003 in relation to the active area | 142 W/m ² |
| Notice | No capacity losses at an open area exceeding 65 %. |



Sustainability

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

Surfaces

| | |
|-----------------|------------------------------------|
| Powder coatings | <u>COLOURline – Powder coating</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

| | |
|----------------------|--|
| Hydraulic components | <u>Plafotube® MQC – Connecting/Connection hose with MultiQuickConnect Fittings – Distribution system</u> |
|----------------------|--|



Applications

