



Plafotherm® E 200

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Detailed description

Zinc-galvanized metal heating and cooling ceiling panels with powder coated surfaces on visible side, hung in a concealed substructure. Manufactured in accordance with European standards and the technical regulation of TAIM e.V.

System comprises:

- Metal ceiling panel.
- Heating and cooling technology: Consisting of heat conducting element and Cu-pipe or V2A-pipe frets thermally conductive integrated into ceiling panel.
- Vernier suspension: Manufactured from zinc-galvanized steel, consisting of hanger upper section, hanger lower section, and safety split pins which are variably adjustable for suspension of suspension channel grid.
- Hook-on profile: Manufactured from zinc-galvanized steel to support metal ceiling top layer.
- Suspension channel: Manufactured from zinc-galvanized steel, as substructure for supporting profiles.

Product guidance - As Standard

Fire performance (BS EN 13501):

- Panels: A2-s2, d0 (non-combustible).
- Substructure: A1.

Edge:

Square.

Finish:

Electrostatically applied powder coating.

Sound absorption:

Dependent on level of perforation and acoustic inlay. Consult manufacturer.

Connecting/ connection hose:

Made of pressure stable, flexible hose which is steel covered and oxygen diffusion-proofed according to DIN 4726 with removable plug system for the connection of the individual heated and chilled ceiling panels.

Hydraulic connection:

The individual heated and chilled ceilings are connected in series (heating and cooling zones) until a pressure loss of approximately 25–30 kPa is



Lindner AG
Bahnhofstraße 29
94424 Arnstorf
Germany

Tel: +49 8723 200

www.lindner-group.com
info@Lindner-Group.com



achieved. The individual heating and cooling zones are connected parallel to the distribution pipe (regulation zone).

Options

Product reference:

- Activation board with Cu-pipe:

15 mm graphite panel, size depending on ceiling panel. Cu-pipe calibrated and shaped as a fret. Various axial distances possible.

- Heat conducting profile with Cu-pipe:

Aluminium extruded section in standard widths of 80 or 120 mm. V2A-pipe calibrated and shaped as a fret with pressed in hollow shafts by machine. Various axial distances from 45 mm are possible.

- Heat conducting profile with V2A-pipe:

Aluminium extruded section in standard widths of 80 or 120 mm. V2A-pipe calibrated and shaped as a fret. Various axial distances from 45 mm are possible.

Perforation:

Three standard perforations available. Other perforations available on request. Consult manufacturer for perforation patterns.

C-post cap:

Other sizes are available, consult manufacturer.

Heating and cooling capacities:

Consult manufacturer for details.

Product specification

Manufacturer

- Name: Lindner AG
- Web: www.lindner-group.com
- Email: info@Lindner-Group.com
- Tel: +49 8723 200
- Address: Bahnhofstraße 29,94424 Arnstorf,Germany

Product reference E 200 Heat conducting profile with Cu-pipe
E 200 Heat conducting profile with V2A-pipe
E 200 Activation board with Cu-pipe

Ceiling type Hook-on/ Lay-on
Hook-on both sides

Panel

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- Size	[]
- Perforation	None - Plain. Rv 1,8–20 Rg 2,5–16 Rv 3,0–20
- Colour	RAL 9010 - Manufacturer's standard. RAL - Insert requirements. NCS - Insert requirements.
Wall connection	Open 30 x 30 mm, L-angle aluminium 25 x 20 x 20 x 35 mm, corresponding angle, aluminium