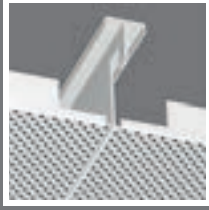


INSTALLATION GUIDE FOR FIRE-RESISTANT* PM8 PANELS ON BANDRASTERS



This fitting procedure will enable you to prepare and easily fit your Plafometal metal ceiling.

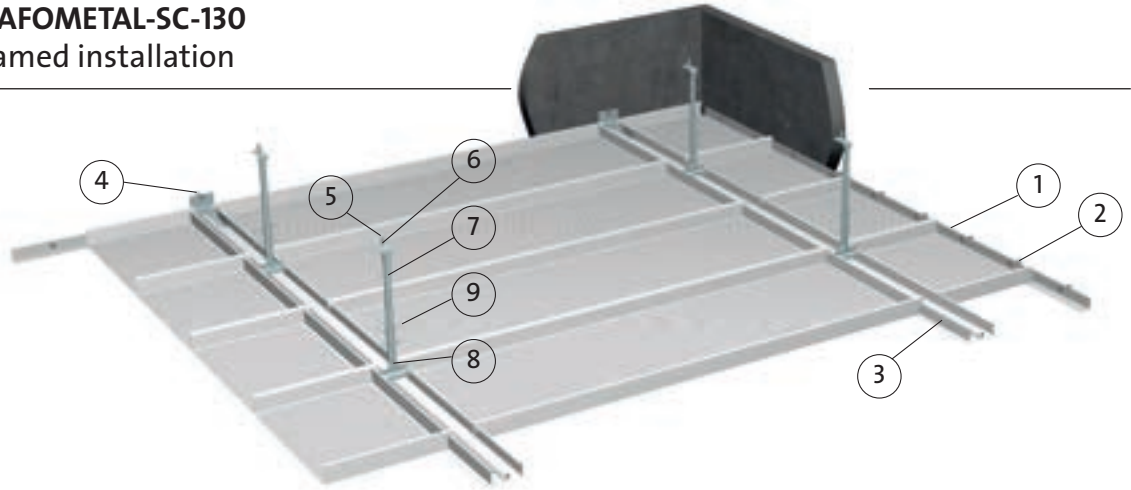
Please contact us and refer to the Fire Resistance Report prior to installation.

*Fire-resistant according to French and Belgian standards.

RANGE

Hook-on PM8
(Fire-resistant)

PANEL SYSTEM FITTED ON BANDRASTERS OR HOLLOW JOINT RAILS PLAFOMETAL-SC-130 Framed installation



BILL OF MATERIALS PER M²

Illustration	Mark no.	Description	Quantity / m ²
	1	L-SHAPED WALL ANGLE WITH HEMMED EDGES 30 x 30 - Length: 3,000 mm - Thickness: 0.8 mm Ref: V810BA	Depending on the perimeter
	1	L-SHAPED WALL ANGLE 30 x 30 Length: 3,000 mm - Thickness: 0.8 mm	Depending on the perimeter
	2	HAMMER-IN FIXINGS (Ø5.7 x 36 mm) for concrete	Number of units = 5 x perimeter (in linear meters)
	3	BANDRASTER - Height: 35.5 mm - Length: 3,600 mm Ref: D5180B	Number of linear meters = $\frac{1}{E}$
	3	HOLLOW JOINT RAIL - Height: 35.5 mm - Length: 3,600 mm Ref: 8131431	Number of linear meters = $\frac{1}{E}$
	4	WALL CONNECTOR FOR BANDRASTERS Ref: RC100/25	Depending on the layout
	4	WALL CONNECTOR FOR HOLLOW JOINT RAILS Ref: 8200652	Depending on the layout
	5	CAST-IRON PLUG	Number of units = $\frac{1}{E \times 0,75}$
	6	BOLT (M6 x 50) with WASHER	Number of units = $\frac{1}{E \times 0,75}$
	7	NONIUS HANGER (top part) - Length: 235 mm Ref: 82 04 252	Number of units = $\frac{1}{E \times 0,75}$
	8	NONIUS HANGER (lower part) - Length: 130 mm Ref: 82 04 202	Number of units = $\frac{1}{E \times 0,75}$
	9	SPLIT PIN Ref: 82 05 551	Number of units = $\frac{2}{E \times 0,75}$

Unless otherwise specified, all dimensions are in millimeters (mm).
Please contact us and refer to the Fire Resistance Report prior to installation.
Each step includes a diagram, tips and the tools used.

Where E = bandraster center-to-center spacing (linear meters)

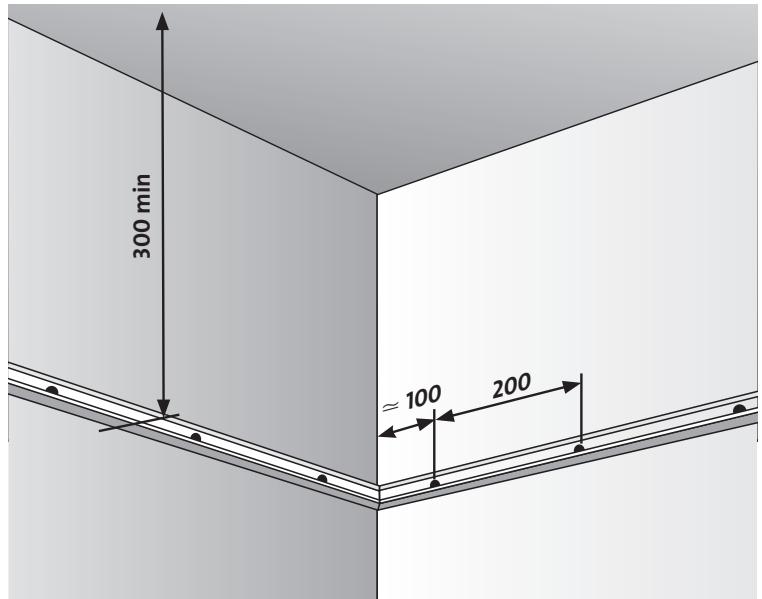
PLAFOMETAL

FITTING PROCEDURE

Fire-resistant* PM8 panels on bandrasters

1 INSTALLING THE PERIMETER WALL ANGLES

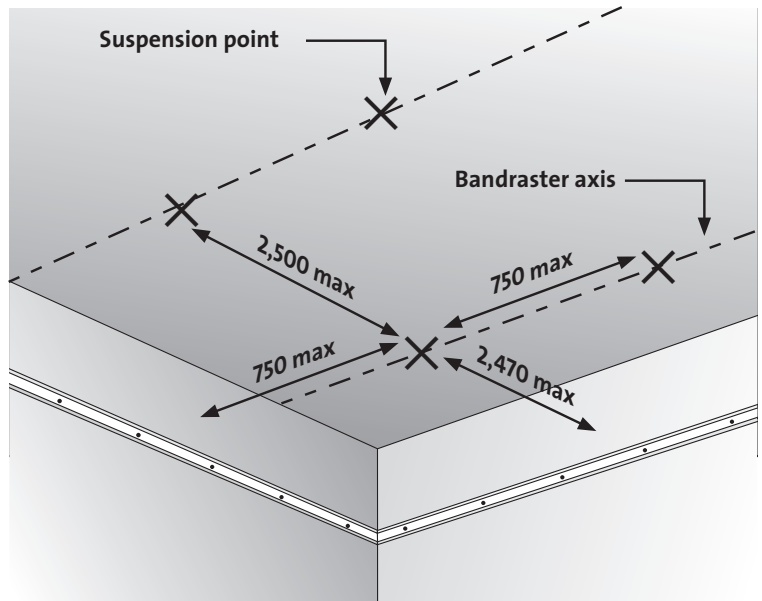
- ▶ Install the L-type perimeter wall angles (30 x 30 mm, thickness 0.8 mm) around the ceiling. Fix to the concrete walls with hammer-in fixings (Ø5.7 x 36 mm) no more than every 200 mm.
- ▶ Height: the lower wing of the wall angles must be at least 300 mm from the upper floor slab.



2 MARKING THE SUSPENSION POINTS ACCORDING TO THE LAYOUT PLAN

Mark the suspension points for the bandrasters according to the following rules:

- ▶ Maximum distance between the center of the first bandrafter and the wall: 2,470 mm.
- ▶ Maximum center-to-center spacing for bandrafters: 2,500 mm.
- ▶ The center of the first hanger is no more than 750 mm from the wall.
- ▶ Maximum center-to-center spacing between hangers: 50 mm.



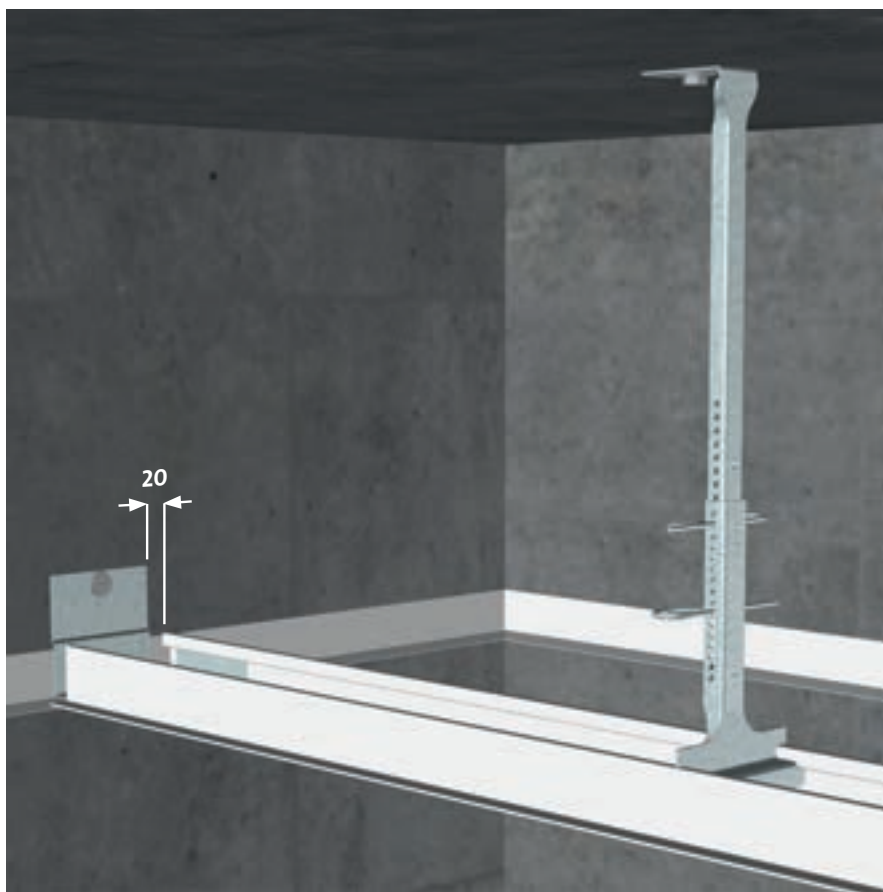
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FITTING PROCEDURE

Fire-resistant* PM8 panels on bandrasters

3 INSTALLING THE NONIUS HANGERS AND BANDRASTERS

- ▶ After drilling into the upper floor slab, insert an iron plug and fix the top part of the Nonius hanger with an M6 x 50 bolt and a washer.
- ▶ Install the lower part of the Nonius hanger using two split pins, while taking care to adjust the height of the bandraster.
- ▶ Fit the bandraster by resting the ends on the wall angles and inserting the appropriate wall connector (secured to the wall with hammer-in fixings: $\varnothing 5.7 \times 36$ mm). Allow for a 20 mm gap between the ends and the concrete wall.



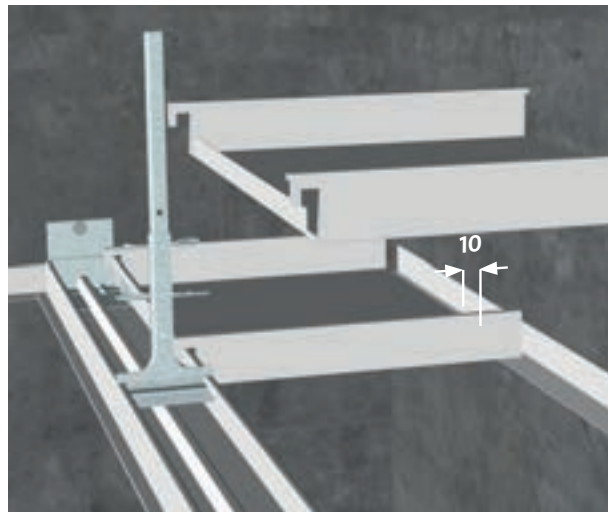
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FITTING PROCEDURE

Fire-resistant* PM8 panels on bandrasters

4 INSTALLING THE PM8 HOOK-ON PANELS

- ▶ Remove the film from the edges of the PM8 hook-on panel.
- ▶ For panels fitted between a bandraster and a wall angle: cut off part of the PM8 hook-on panel to allow for a 10 mm expansion gap between the panel end and the wall. Then fit the panels by resting the cut end on the wall angle and the hooked end on the bandraster.



- ▶ For panels fitted between two bandrasters: fit the whole PM8 hook-on panels by resting the hooked ends on the bandrasters.



i NOTES:

- ▶ Only full-width panels (maximum of 300 mm) are fitted.

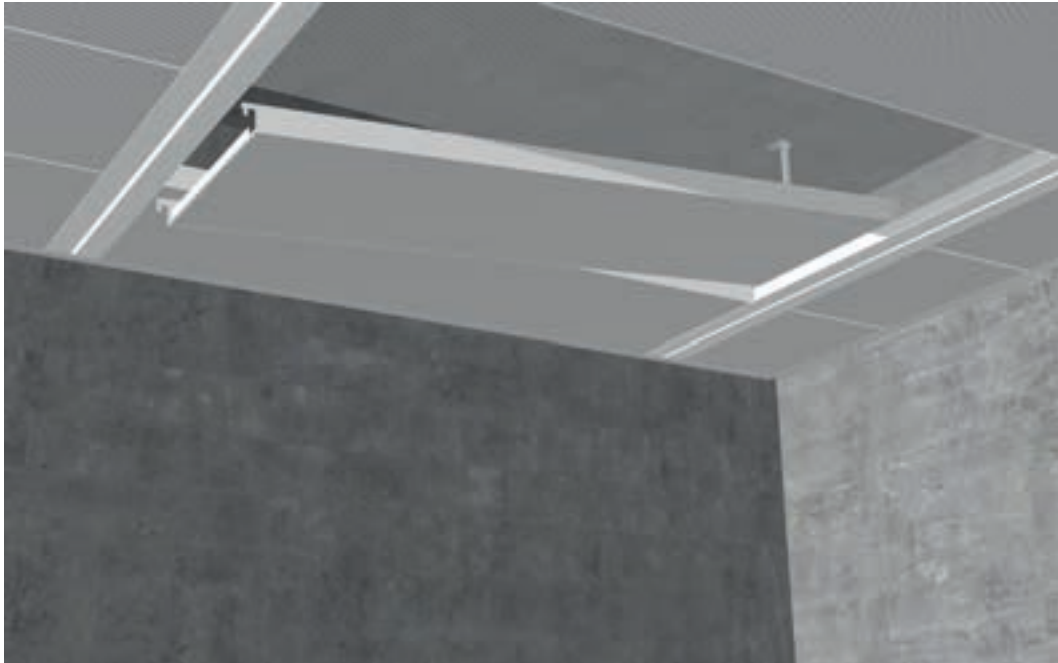
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REMOVAL PROCEDURE

Fire-resistant* PM8 panels on bandrasters

5 ACCESSING THE PLENUM: OCCASIONAL REMOVAL OF SELF-SUPPORTING PANELS

- ▶ Lift up an edge of a PM8 hook-on panel and then remove the entire panel to provide major access to the plenum. Be careful not to damage panels when placing on the floor.



APPENDIX

Fire-resistant* PM8 panels on bandrasters

STORAGE

All our products must be stored on edge, on a flat surface and in a dry place away from inclement weather and the risk of impacts.

CARE / CLEANING

Our ceilings only require minimal maintenance. Various types of cleaning methods can be used:

- ▶ To remove dust, use a soft brush or vacuum cleaner with a non-abrasive nozzle.
- ▶ To remove pencil or similar marks, simply use an eraser.
- ▶ In case of grease stains, use a cloth slightly dampened with a surfactant, taking care not to get the insulation material wet.
- ▶ For other stains or dirty marks, use a damp cloth or sponge, taking care not to get the insulation material wet.

Never use abrasive products.

When using chemicals, always test on a concealed part of the ceiling.

Contact us before using disinfectant solutions.

ON-SITE CUTTING

The ceiling should not support any loads other than its own weight.

Various fixtures (lighting, air vents, speakers, signs, etc.)

can be fitted to the building's primary or secondary structure using hangers passing through the ceiling with the smallest possible gap.

The secondary structure must then be verified at elevated temperatures through testing or design calculations according to applicable standards relating to the CSTB Fire Resistance Report.



PLAFOMETAL

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