1 CEILING ON BANDRASTERS
(FOR PARTITIONING)

CEILING ON
CONCEALED GRIDS

3 CEILING ON
EXPOSED GRIDS

CLIP-IN TILE
ON CONCEALED GRID SYSTEM

MONOBAC
[PLAFOMETAL-SC-230]

General view - underneath and above

These visuals are available in greater detail on our web site in the "System visuals" section

Standard installation

Installation with brackets

Installation with direct hangers
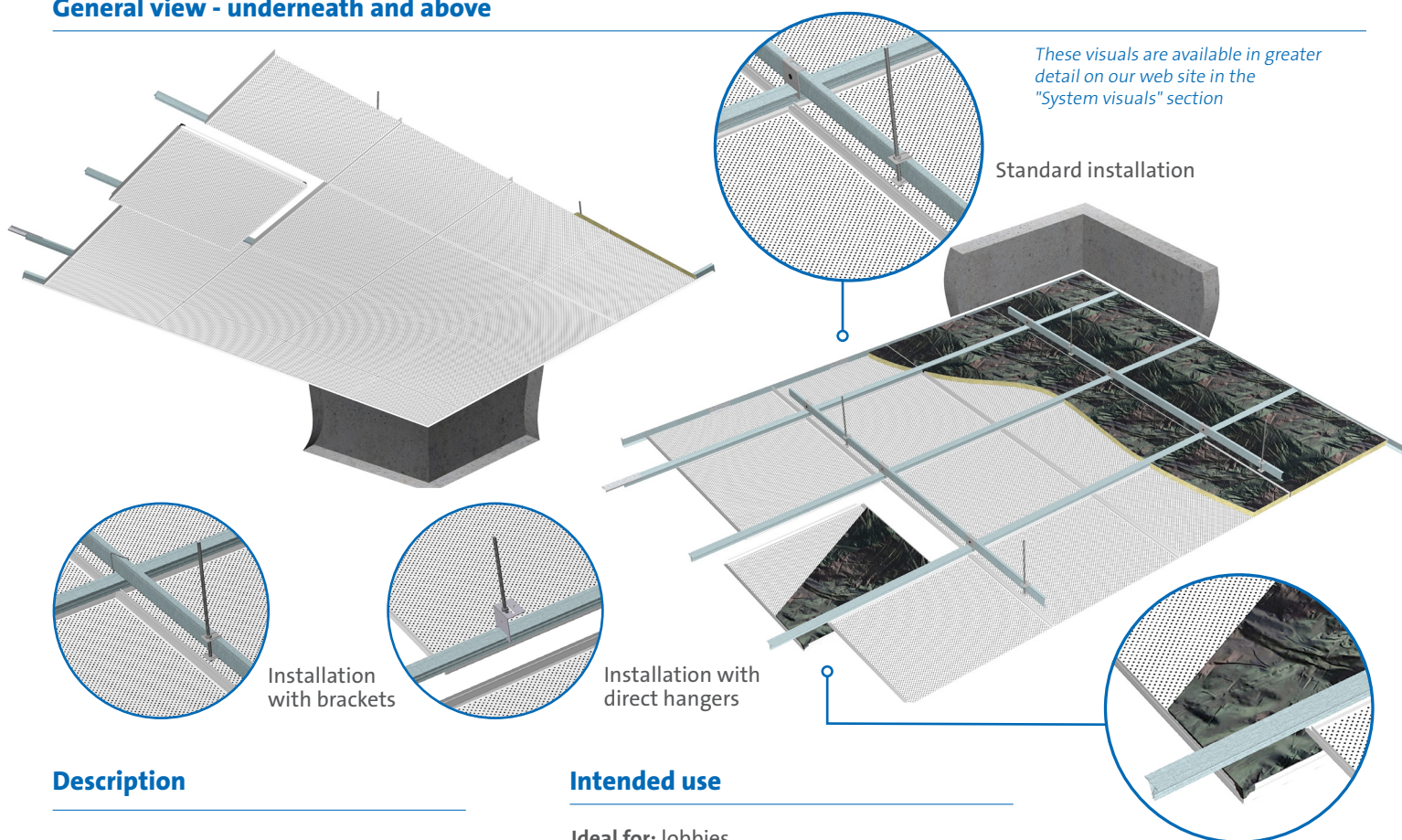
Description

◗ Clip-in tiles with a locking ring on the four sides.

◗ Designed to be clipped beneath a concealed grid according to the three types of installation: standard, brackets or direct hangers.

◗ Bevelled peripheral edges as standard - square edges on request.

◗ Additional acoustic components available.

Intended use

Ideal for: lobbies.

Sectional view showing space requirements
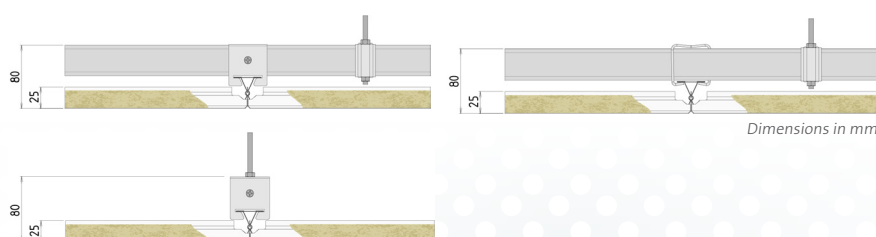

Dimensions in mm

CLIP-IN TILE ON CONCEALED GRID SYSTEM

## MONOBAC [PLAFOMETAL-SC-230]

KEY FEATURES

- **Acoustics:** high degree of correction, absorption factor α_w up to 1
- **Aesthetics:** ceiling with a monolithic aspect
- **Installation:** no specific installation direction
- **Opening:** secure access to the plenum (requiring use of a disassembly tool)

Standard installation

SYSTEM INFORMATION				
Component	**Dimensions (mm)**			**Material**
	Height	**Width**	**Length**	
Monobac tile*	26	600	600	Galvanized steel, thickness 0.5 mm
		600	1,200	
Additional acoustic component	according to the tile			see ALPHA and ALPHA PLUS offer
Hollow joint wall angle or Wall angle or Hanger + Perimeter wedge	19x19x19x19 Lg. 3,000 30x30 Lg. 3,000 19x40x19 Lg. 3,000 / 30 x 30 Lg. 3,000			Steel, thickness 0.5 mm
U-section main runner	13x38x13 Lg. 4,000			Steel, thickness 1 mm
Suspension flange for U-section main runner				Steel
T-section secondary profile	Lg. 4,000			Steel, thickness 1 mm
T-section secondary profile length connector				Steel
Connecting hanger U-section main runner / T-section secondary profile				Steel
Option: Safety bracket				Steel

* Refer to the product datasheet

Installation with brackets

SYSTEM INFORMATION				
Component	**Dimensions (mm)**			**Material**
	Height	**Width**	**Length**	
Monobac tile*	26	600	600	Galvanized steel, thickness 0.5 mm
		600	1,200	
Additional acoustic component	according to the tile			see ALPHA and ALPHA PLUS offer
Hollow joint wall angle or Wall angle or Hanger + Perimeter wedge	19x19x19x19 Lg. 3,000 30x30 Lg. 3,000 19x40x19 Lg. 3,000			Steel, thickness 0.5 mm
U-section main runner	13x38x13 Lg. 4,000			Steel, thickness 1 mm
Suspension flange for U-section main runner				Steel
T-section secondary profile	Lg. 4,000			Steel, thickness 1 mm
T-section secondary profile length connector				Steel
Connecting stirrup U-section main runner / T-section secondary profile				Steel
Option: Safety bracket				Steel

* Refer to the product datasheet

CLIP-IN TILE ON CONCEALED GRID SYSTEM

MONOBAC [PLAFOMETAL-SC-230]

KEY FEATURES

- **Acoustics:** high degree of correction, absorption factor α_w up to 1
- **Aesthetics:** ceiling with a monolithic aspect
- **Installation:** no specific Installation direction
- **Opening:** possibility of ensuring secure access to the plenum

Installation with direct hangers

SYSTEM INFORMATION				
Component	**Dimensions (mm)**			**Material**
	Height	**Width**	**Length**	
Monobac tile*	26	600	600	Galvanized steel, thickness 0.5 mm
		600	1,200	
Additional acoustic component	according to the tile			see ALPHA and ALPHA PLUS offer
Hollow joint wall angle or Wall angle or Hanger + Perimeter wedge	19x19x19x19 Lg. 3,000 30x30 Lg. 3,000 19x40x19 Lg. 3,000			Steel, thickness 0.5 mm
T-section profile	Lg. 4,000			Steel, thickness 1 mm
T-section profile length connector				Steel
Direct hanger - threaded rod + nuts				Steel
Option: Safety bracket				Steel

* Refer to the product datasheet

Acoustics
According to EN ISO 11654
α_w up to 0.80 with the ALPHA offer
α_w up to 1 with the ALPHA PLUS offer
Acoustic performance depends on the chosen perforations

Additional acoustic component
ALPHA offer: Plafometal acoustic fleece
ALPHA PLUS offer: specific sound-absorbing material in thin plastic film

EPD verified
Available in the INIES database (www.inies.fr)

Light reflection
Up to 87%

Reaction to fire
according to EN 13501-1
Euroclass A1 for these products:
• Prepainted non-perforated
• Prepainted in the ALPHA offer
Euroclass A2 s1,d0 for these products:
• Non-perforated powder postpainted
• Powder postpainted in the ALPHA offer
• In the ALPHA PLUS offer

Cut-outs and integration
Factory cut-outs on request

Indoor air quality
Class A+ for all these products:
• Non-perforated
• In the ALPHA offer
• In the ALPHA PLUS offer, with a specific mineral wool pad in thin plastic film

Opening
Unclip at the bottom using the special disassembly tool. The ceiling can be made non-removable by adding an AC511 safety bracket to each corner of the panel. Please contact us if you are interested in installing an access trapdoor.

Perforations
Open area percentage, diameter in mm and M or U layout

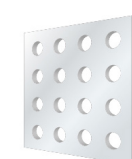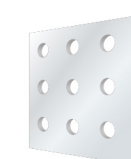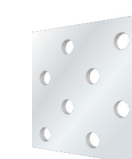Non-perforated | 11% Dia. 1.5 M | 22% Dia. 1.5 M | 10% Dia. 2.5 M | 12% Dia. 2.5 U | 16% Dia. 2.5 U | 23% Dia. 2.5 M | 46% 5.5x5.5 U* | 11% 61x4 U

* Only available in 600x600 mm.
All tiles have a non-perforated area of a few mm around the edges.

Colors
White 137 (≈ RAL 9003) - Prepainted polyester
Metallic Gray (RAL 9006) - Prepainted polyester - on request
180 RAL colors on request - Postpainte polyester powder