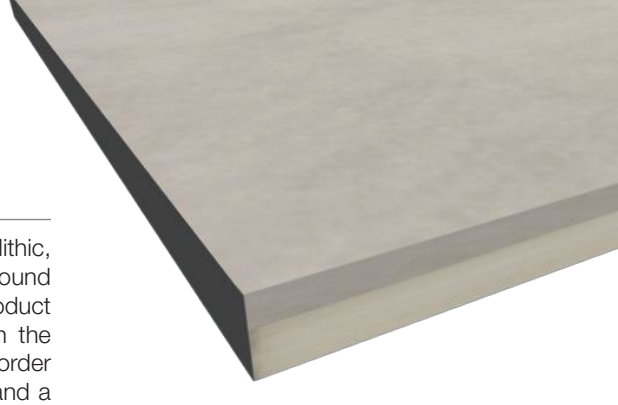
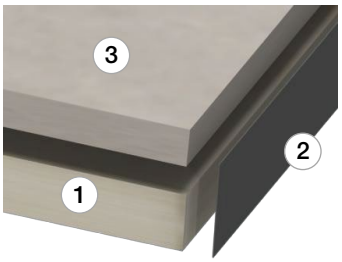
PANEL DATA SHEET



MONOTEC/ MONOTEC GREEN

Modular panel with top finish in ceramic or stone material and structural core monolithic, composite material, with high-strength characteristics,physical - mechanical, fire and sound absorption. Nominal size 600x600 mm, total thickness 25 mm including finishing. Product suitable for any environment because it does not undergo dimensional variations in the presence of moisture or water. The panel Monotec is protected perimetrically by a border made up of plastic material compound antisqueak, a nominal thickness of 0.45 mm and a height equal to that of the panel, totally free from PVC and self-extinguishing (class V0 UL94 standard). The Monotec GREEN is not trimmed.



MONOTEC COMPOSITION

1 CORE

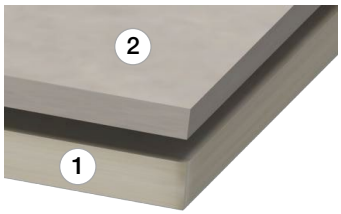
Panel with structural core monolithic and homogeneous, made entirely of inert material, synthesized at high temperatures and odorless. The support is absorption zero, then there are no problems in the presence of water or humidity. The assembly is guaranteed by the combination of the two materials by a specific glue

2 EDGE TRIM

Made of plastic material compound antisqueak, a nominal thickness of 0.45 mm and a height equal to that of the panel, totally free from PVC and self-extinguishing (class V0 UL94 standard).

3 TOP FINISH

Gres



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2 TOP FINISH

Gres

Nominal characteristics

Dimension	600x600 / 1200x600 mm
Thickness	25 mm
Panel weight	21,5 kg ± 5%
Weight SQM	60 kg ± 5%
Density	2.200 kg/mc ± 5%

Physical characteristics

Dimensional deviations with resilient	class 2 (UNI EN 12825/03)
Electrical resistance, top finish excluded	$1x10^{11}$ ohm max (EN 1081)
Self-extinguishing edging	V0 (UL 94)
Walking sound level at 500Hz	23 dB
Fire rating	REI 30 (UNI EN 13501-2/09)
Fire reaction rating	Bfl-S1 (UNI EN 13501-1/09)
Dimensional variation after 24H in water	0% (EN317/93)
Water absorption after immersion 24H	0,09% (ISO 769/72)

Mechanical characteristics (EN 12825)

PANEL WITH GRES AS TOP FINISH

Tiles dimension		600 x 600 mm					
Type of structure		SAS	STQ	STS	STR	STO	STC
Concentrated load	kN	2,3	2,5	2,6	3,3	3,3	3,5
Concentrated load - center of the panel	kN	4,0	4,1	4,2	4,6	4,6	5,2
Ultimate load	kN	7,2	7,4	7,6	8,0	8,4	9,2
Distribuited load	kN/m^2	16,3	16,3	16,5	18,5	18,5	19,2
Class according to EN 12825		2/A	2/A	2/A	2/A	2/A	3/A

PANELS WITH LAMINATE AS TOP FINISH

Type of structure		SAS	STQ	STS	STR	STO	STC
Concentrated load - center of the side	kN	3,3	3,4	3,5	3,6	3,8	4,2
Concentrated load - center of the panel	kN	4,2	4,3	4,4	4,8	4,8	5,6
Ultimate load	kN	8,7	8,8	9,0	9,6	9,8	11,2
Distribuited load	kN/m^2	17,7	18,1	18,3	19,1	20,4	22,4
Class according to EN 12825		3/A	3/A	3/A	3/A	3/A	4/A

The concentrated and distribuited loads refer to a 2,5 mm deflection.
ATTENTION: For drilling on the panels, also for 8-10 mm diameter, use suitable tools (do not use percussion drills).
*1 kN = 102 kg