

Technical Datasheet - Cement Agglomerate Terrazzo

Applicable to our materials with product codes MSCA GDN (Graniglia, Gra Veneziana, Romanorum, Mosaici, Fragmenta)

GDN Cement-Marble terrazzo is a precast material composed of a mixture of marble granules or chips and mineral powder with cement, water and natural colourings. Produced by hand in standard moulds. A rotative press is used for the production of the double-layer, solid-colour tiles, as well as for the one-layers.

Some colours can be produced in slab format – Slabs size to be confirmed

The material can be realized in special colours studied by the designers in cooperation with our technical office.

CHARACTERISTICS	Standard	Unit	Range of Values
Density	EN 14617-1:2005	Kg/dm ³	2.4 - 2.6
Water absorption	UNI EN 13748-1:2005	% (volume)	<8
Flexural strength	UNI EN 13748-1:2005	Mpa	5.0-9.2
Slip resistance	UNI EN 13748-1:2005 and "The UK Slip Resistance Group Guidelines (Latest Issue) where appropriate.	PTV	Honed to achieve PTV>25 wet
Sustainability	BRE		B
Combustion reaction	EN 13501-1		A1

STANDARD SIZES	Size	Thickness	
Slabs	On Request, Size TBC (normally 245x125cm)	2, 3, 4 cm	(or thicker for special pieces - sinks, benches, etc.)
Floor Tiles	10x10x1.2cm; 20x20x1.2cm; 25x25x1.3cm; 40x40x1.7cm; 40x40x2m; 60x60x1.7cm; 60x60x2cm; hexagon side 11.5cm; hexagon side 14.43cm	1.2, 1.7, 2, 3 cm	
Cut to Size		2, 3, 4, 5 cm	(or thicker for special pieces)
Skirting	Cut to size	2 cm	

Special size and thickness upon request

WEIGHTS

1.2cm	30 kg/sqm	2cm	50 kg/sqm
1.3cm	32 kg/sqm	3cm	75 kg/sqm
1.7cm	40.5 kg/sqm	4cm	100 kg/sqm

Notes:

- The correct adhesive and silicone system should be used and installation be carried out by a bona-fide terrazzo installer.
- Tiles can be either smooth or matt, and need to be polished after laid.
- All the tiles undergo a smoothing process in the factory and can be polished after laid
- Post installation a more aggressive deep cleaning may be required depending on site conditions.
- If required for external areas or wet rooms, please consult an In Opera representative for more information.
- Stain resistance: the material will perform in the same way as natural marble and cement.
- Acidic contamination from substances like bleach, white wine, vinegar and lemon juice, should be avoided.
- Stain protection treatment is required post installation.
- Specialist treatments are available upon request and should be applied by a specialist.
- We recommend Fila solutions for any advice on cleaning and maintenance: www.filasolutions.com
- For wet areas we recommend an anti mould treatment to be applied either before the materials leave the factory and another coat on site post installation.
- For special pieces, like sinks, carved pieces, statues, fireplaces etc., we can develop shop drawings for information and organize for the material to be prepared prior to shipping, sufficient time should be allowed for the design of these items and are quoted on a piece by piece basis.
- The surface of terrazzo tiles has a natural porosity that shows the presence of small holes.
- Marble chips, especially if large (> 1 cm), can be cracked. This aspect does not compromise the quality of the tile and is not considered a defect.
- The perimeter of a terrazzo tile, especially if opaque, can never be perfect: grouting and polishing will remedy this temporary defect called "chipping".
- The intensity of the colour is greatly modified (temporarily) by the moisture contained in the terrazzo tile. To verify the correspondence of the product, let the terrazzo tile dry near a heat source.