

Technical Datasheet - Resin Agglomerate Terrazzo

Applicable to our materials with product codes **MSRM**

Resin-Marble is a precast material composed of marble chippings bonded together with special resin, calcium carbonate and pigments. Produced in standard size slabs (183x123 cm) using patented vacuum-technology plants. Slabs are normally 1.2, 2 and 3cm thick, which are then used for multitude of applications including wall and floor covering.

Its competitive price and chromatic homogeneity, make it the perfect material for important projects which can be also 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/m ³	2300 - 2600
Water absorption	UNI EN 13748-1:2005	% (volume)	<0.75
Flexural strength	UNI EN 13748-1:2005	Mpa	10.7 - 39.7
Compressive strength	EN 14671-15	N/mm ²	100 - 150
Hardness	EN 101	Mohs	3 - 4
Impact resistance	EN 14617-9:2005		1.4 – 2 J (12mm) 2.3 – 3.6 J (20mm) 4.2 – 8.3 J (30mm)
Chemical Resistance	EN 14617-10:2012		acid <60% - C1 alkali <80% - C4
Resistance to deep abrasion	UNI EN 14617-10	mm	17 - 34.8
Slip resistance	UNI EN 13748-1:2005 and "The UK Slip Resistance Group Guidelines (Latest Issue) where appropriate.	PTV	Can be honed to achieve PTV>25 or PTV>36 wet. (please specify specific project requirements)
Combustion Reaction	EN 13501-1		A2 fl S1 - d0
Linear Thermal Expansion	EN 14617-11:2012		$9.7 - 21.2 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$

STANDARD SIZES	Size	Thickness	
Slabs	183 x 123 cm	1.2, 2, 3, 4 cm	(or thicker for special pieces - sinks, benches, etc.)
Floor Tiles	30x30 cm; 60x30 cm 60x60 cm; 120x60 cm; 120x90 cm; 180 x 60 cm	1.2, 2, 3 cm	
Cut to Size		1.2, 2, 3, 4 cm	(or thicker for special pieces)
Skirting	Cut to size	1.2 cm	

Special size and thickness upon request

WEIGHTS

1.2cm	31 kg/sqm	2+2 cm	100 kg/sqm
2cm	50 kg/sqm	3+3 cm	150 kg/sqm
3cm	75 kg/sqm	Skirting	1.8 kg/lm

Notes:

- The correct adhesive and silicone system should be used and installation be carried out by a bona-fide terrazzo installer.
- Stain resistance: the material will perform in the same way as natural marble and polyester resin.
- Acidic contamination from substances like bleach, white wine, vinegar and lemon juice, should be avoided.
- 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 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.