

## Technical Datasheet - Resin Agglomerate Terrazzo

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

Resin-marble is a precast material composed of marble chippings bonded together with special resins and pigments. Produced in standard size blocks (305x124x84 cm) using patented vacuum-technology plants. Blocks are cut into slabs normally 1.2, 2, 3 and 4cm thick, which are then used for multitude of applications including tiles, stairs, sills, wall-claddings and counter tops.

Its high resistance to abrasion, shock and flexural strength as well as its chromatic homogeneity, make a suitable material for large areas. Standard production divides the colours in 2 branches: materials made with large chips which are similar and have the same colour of the marble they are cast with and materials made with micro-size marble chips famous for their higher resistance and their modern look.

CHARACTERISTICS	Standard	Unit	Range of Values
Density	EN 14617-1:2005	Kg/dm3	2.4 - 2.6
Water absorption	UNI EN 13748-1:2005	% (volume)	<0.2
Flexural strength	UNI EN 13748-1:2005	Mpa	11.5 – 24.6
Compressive strength	EN 14671-15	N/mm2	90 - 120
Resistance to deep abrasion	UNI EN 13748-1:2005	mm	34.5 - 36
Coef. of linear thermal expansion	EN 14617-11:2005	m/m°C	14 - 24 x 10-6
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
Resistance to chemicals	EN 14617-10:2012	Class	C1
Dimensional stability	EN 14617-12:2012		A
Impact resistance	EN 14617-9:2005	W	1 – 2 J

STANDARD SIZES	Size	Thickness
Blocks	305 x 124 cm - A ca. 84 cm	
Slabs	305 x 124 cm	2, 3, 4, 5 cm (or thicker for special pieces - sinks, benches, etc.)
Floor Tiles	50x30 cm; 60x30 cm 60x40 cm; 30x30 cm; 40x40 cm; 60x60 cm 120x60 cm; 120x120cm	1.2, 2, 3 cm
Cut to Size		2, 3, 4, 5 cm (or thicker for special pieces)
Skirting	60x7 cm	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.
- Post installation a more aggressive deep cleaning may be required depending on site conditions.
- 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](http://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.