

Technical Datasheet – Recomposed Quartz

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

Recomposed quartz is a precast material composed of granules selected individually and created in a large commercial slab, with a maximum size of 300x120cm, obtained through vibro compression and consists of about 93% selected granules of various types, such as post-consumer recycled glass, recycled pre-consumer porcelain, glass mosaic, quartz, granite, mixed together and bonded with a minimum quantity of polyester resin and coloured powder pigments.

Its resistance to scratches, stains, chemicals and heat, as well as low thickness and possibility for curving the panels, 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	2100 - 2500
Water absorption	UNI EN ISO 10545 (3)	% (volume)	<0.2
Flexural strength	ASTM D 790M	Mpa	28.1
Breaking strength	ASTM C 648	MPa	40.9
Resistance to Cigarette Burns	DIN 51961		Resistant
Impact resistance	ASTM D 256		6.1 – 7.4 J/m
Chemical Resistance	UNI EN ISO 10545 (13)		Resistant
Resistance to deep abrasion	UNI EN ISO 10545 (6)	mm ³	87.4 - 221
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
Combustion Reaction	UNI 8457		Class 1
Linear Thermal Expansion	UNI EN ISO 10545 (8)		19.5 – 29 x 10 ⁻⁶ °C ⁻¹
Resistance to Thermal Shocks	UNI EN ISO 10545 (9)		Resistant
Colours Resistance to Fading	DIN 51094		Resistant
Frost Resistance	UNI EN ISO 10545 (12)		Resistant

STANDARD SIZES	Size	Thickness
Slabs	300x120 cm	0.66 cm
Floor Tiles	29.85x29.85 cm; 60x29.85 cm; 60x60 cm; 120x60 cm; 120x120 cm; 300x60 cm;	0.66 cm
Cut to Size		0.66 cm (or thicker for special pieces)

Special size upon request

WEIGHTS

0.66cm	14 kg/sqm
--------	-----------

Notes:

- The correct adhesive and silicone system should be used and installation be carried out by a bona-fide installer.
- Substrates must be perfectly flat, smooth, ripe, firm, smooth and white
- Joints must be of a thickness of at least 3 mm and a width of at least 1 mm Usage temperature between +12° and +30°c
- 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.