

COMPOSITE MARBLE



TECHNOSTONE
Quality | Style | Durability

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A SUPERIOR ALTERNATIVE TO NATURAL MARBLE

Composite Marble, also known as Cultured Marble, Agglomerated Marble, Engineered Marble and Artificial Marble, is a precise blend of clean, bleached, marble dust (CaCO_3), polyester resin, catalysts, fillers and pigments that are thoroughly mixed and placed into open moulds that have been coated with a clear gel coat.

The gel coat is specially formulated to produce a tough, durable, transparent surface resistant to in-service wear. The blocks are sun-dried and cut on gang saws to produce slabs of the desired thickness.

The rough sawn slabs are then processed on line-polishers where calibration and polishing are completed to give mirror polished slabs.



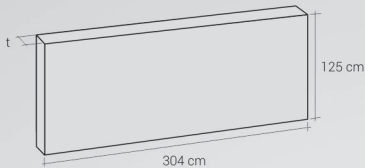
COMPOSITES Vs. NATURAL MARBLE

This man-made alternative to natural stone marble has all the characteristics of natural marble and can also be cut and polished like natural marble. Where it excels, however, are its other characteristics such as aesthetic consistency, colour/shade consistency and durability.

FEATURE	NATURAL	COMPOSITES	BENEFIT
Porosity	High	Low	Absorbs less water. More resistant to stains.
Size	Inconsistent	Consistent	Less wastage and Seamless application.
Colour	Inconsistent	Consistent	More control over application and colour options.
Hardness	Less	More	More Strength, Durability and Longevity.
Maintenance	High	Low	Lower time and cost considerations.

In addition, Composite Marble comes at a lower cost than natural marble, with more colour and size options. The wastage is also minimised because the size of composite marble slabs is standard. Typically, the wastage is reduced by 10-15%.

TECHNICAL SPECIFICATIONS



thickness (t) options - 1.2 cm, 1.6 cm, 1.8 cm

(i). SLAB SIZES

Density - ASTM C 97 (Kg/dm ³)	2.40 - 2.55
Water Absorption - EN 99 [%] (% Mass)	0.10 - 0.20
Compressive Strength - ASTM C 170 (Mpa)	90 - 150
Surface Hardness - EN 101 (Mohs)	3 - 5
Resistance to Deep Abrasion - EN 102 (mm ³)	160 - 250
Glossiness Reflection (%)	70 - 80

(ii). SPECIFICATIONS



APPLICATIONS

Although the application of Composite Marble is limited only by one's imagination, the popular uses include:

- Vanity tops and integral bowls
- Bath tubs and jetted tubs
- Bar Tops and integral bowls
- Shower base and bath flooring
- Internal domestic flooring
- Flooring for office foyers and shopping centres

CARE AND MAINTENANCE

The hard gel-coated and non-porous surface resists staining, making its care and maintenance very simple. Routine cleaning with a soft sponge or cloth or non-abrasive aerosol foam cleaner is all that is normally needed to give many years of trouble-free service. Harsh abrasive cleaners are neither required nor recommended.