

Asian Composite Marble Stone (Calcarious Base)

TEST SPECIFICATION	STANDARD OF TEST	STANDARD OF MEASUREMENT	RANGE OF ASIAN MARBLE STONE
Water Absorption	EN 99	%	<0.2%
Thermal Expansion Linear Coefficient Of T.E	EN 103	μ/m °c	<15
Surface Hardness	EN 103	Moh's Scale	3 - 4
Density	ASTM C 97	Gm/cc	>2.50
Compressive Strength	ASTM C 170	Mpa	>100
Flexural Strength/ Modulus Of Rupture	EN 100	Kg/cm ²	150-250 Kg /cm ²
Glossiness	Reflection	%	>70%
Chemical Resistance (resistance To Acid)	EN 14617	C1.C4	C1.C4
Resistance To Deep Abrasion	EN 102	mm ³	150 - 400

Asian Composite Quartz Stone (Siliceous Base)

TEST SPECIFICATION	STANDARD OF TEST	STANDARD OF MEASUREMENT	RANGE OF ASIAN MARBLE STONE
Water Absorption	ASTM C 97,EN 99 PR EN 14617-1 BS6431:PART 11		0.02-0.05 0.0514 0.02
Thermal Expansion Linear Coefficient Of T.E	NFP, EN103 ASTMD4535		20-30
Surface Hardness	EN101, CN10631		6-7
Density	ASTM C 97 CNS11321 BS6431:PART 13		2350-2450
Resistance to fire	DIN4102		B1
Compressive strength	ASTM C170 CNS11319	95-120	235-250 180-190
Flexural Strength Module	En100, CNS1322 ASTMC97 BS6431:PART 12		28-40 6100
Crack			
Angle			No visible change
Flatness			
Glossiness	G8		65
Radio activity			
Shock resistance	ASTM C848		No scaling
Chemical Resistance (resistance to acid)	PR EN 14617-10 BS6431:PART 12		cl.C4 class 1/ class AA
Resistance to deep abrasion	En102, ASTM C241 CNS11320		No Defect Observed
Resistance to De- Icing salts	ASTM C 672		120-180 4810
Resistance to rapid freezing & thawing	ASTM C 666 DIN 52104		Levigato 320=R9 Ponce 320=R9 Honed= 320=R9 1.2060
Impact Resistance	pr EN 14617-9	Joule	5, +-2
Slippage resistance	DIN51130 / ASTM E 303		Levigato320 R9 Ponce320 R9 Honed 320 R9

Product Features / Comparison between Natural Stone and Asian Composite Marble Stone

FACTORS	MARBLE/ NATURAL STONE	ASIAN MARBLE STONE
Color Consistency	No	Yes
Porosity	High	Very Low
Hardness	Low	High
Polishing	On Site Polishing	Ready TO Use
Cost Of Onsite Polishing	Extra	No Extra Cost
Wastages	High	Low
Pinholes & Cracks	Filling Required	No Filling Required
Uniformity In Quantity Supplied	Constrains Are There	No Constrains Are There
Laying & Completion Time	High	Low
Maintenance	High	Low
Supply Schedule	Non Controllable	As Per Schedule
Size Consistency	No	Yes
Thickness / Size Option	Not Always Available	Always Available

Other Features

- Resistance to abrasion, shock & flexural strength
- Dimensional stability that reduces wastage during installation
- Uniformity in color that makes it suitable for large application
- Repolishable

Packing, Size & Thickness availability details in composite Marble stone

Sizes in mm availability	In sq.ft (Appx.)
3025 x 1225 mm	10 x 4
1515 x 1215 mm	5 x 4
1200 x 600 mm	4 x 2
600 x 600 mm	2 x 2
400 x 300 mm	2 x 1

Customized sizes on bulk requirements

Packing, Size & Thickness availability details in Quartz

Sizes in mm availability	In sq.ft (Appx.)
3075 x 1275 mm	10 x 4
3200 x 1600 mm	10 x 5
3200 x 1400 mm	10 x 5

Customized sizes on bulk requirements

Thickness in mm availability

12mm | 14mm | 16mm | 18mm | 20mm | 25mm | 30mm

Customized thickness on bulk requirements

Wooden Palleting only based on thickness / size.

Customized packing in corrugated boxes in 12mm can also be provided.