

## TECHNICAL SPECIFICATION

### AGL Engineered Marble (Calcarious Base)

TEST SPECIFICATION	STANDARD OF TEST	STANDARD OF MEASUREMENT	RANGE OF AGL MARBLE STONE	
			Boulder Series	Fine Series
Water Absorption	EN 14617-1	%	<0.2	<0.2
Thermal Expansion Linear Coefficient of T.E.	EN 14617-11	10 <sup>6</sup> /°c	<15	<15
Surface Hardness	EN 101	Moh's Scale	3 - 4	3 - 4
Density	14617-1	gm/cc	>2.45	>2.40
Compressive Strength	14617-15	Mpa	>100	>100
Flexural Strength/ Modulus Of Rupture	14617-2	Mpa	10-20	20-35
Glossiness	Reflection	%	>70	>70
Chemical Resistance (resistance To Acid)	14617-10	C1.C4	C1.C4	C1.C4
Resistance To Deep Abrasion	EN 102	mm <sup>3</sup>	150 - 400	150 - 400

### AGL Quartz Stone (Siliceous Base)

TEST SPECIFICATION	STANDARD OF TEST	STANDARD OF MEASUREMENT	RANGE OF AGL QUARTZ STONE
Water Absorption	EN 14617-1	%	<0.1
Thermal Expansion Linear Coefficient Of T.E.	EN 14617-11	10 <sup>6</sup> /°C	<30
Surface Hardness	EN 101	Moh's Scale	6-7
Density	EN 14617-1	gm/cc	>2.35
Compressive strength	EN 14617-15	Mpa	235-250
Flexural Strength Module	EN 14617-2	Mpa	27-60
Glossiness	Reflection	%	>55
Chemical Resistance (resistance to acid)	EN 14617-10	C1.C4	C1.C4
Resistance to deep abrasion	EN 102	mm <sup>3</sup>	100-160
Resistance to fire	DIN 4102		B1
Shock resistance	ASTM C848		No Scaling
Slippage resistance	DIN 51130	Joule	Levigato 320=R9
			Honed 320=R9
			Geschliffen 320=R9
Resistance to De- Icing salts	ASTM C672		120-180
Resistance to rapid freezing & thawing	ASTM C666 DIN 52104		Levigato 320=R9
			Honed 320=R9
			Geschliffen 320=R9
Impact Resistance	ASTM C1709		5, +/-2

Product Features / Comparison between Natural Stone and AGL Engineered Marble Stone

FACTORS	MARBLE/ NATURAL STONE	AGL 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 Engineered Marble stone

Sizes in mm availability	In sq.ft (Appx.)
3025 x 1225 mm	10 x 4
1500 x 1200 mm	5 x 4
1200 x 600 mm	4 x 2
600 x 600 mm	2 x 2
600 x 300 mm	2 x 1

Customized sizes on bulk requirements

#### Packing, Size & Thickness availability details in Quartz Stone

Sizes in mm availability	In sq.ft (Appx.)
3100 x 1400 mm	10.2 x 4.6
3200 x 1600 mm	10.5 x 5.2

Customized sizes on bulk requirements

#### Thickness in mm availability

12mm | 14mm | 16mm | 18mm | 20mm | 25mm | 30mm | in Engineered Marble Stone  
12mm | 15mm | 20mm | 25mm | 30mm | in Quartz Stone

Wooden Palleting only based on thickness / size.  
Customized packing in corrugated boxes in 12mm can also be provided.

**Note:** Due to Printing Process, the colour of the actual products may differ from the picture. For true colour matching purposes refer the sample.