

PROPERTIES

PHYSICAL

<p>Product Specifications</p> <p>Nominal thickness Actual Slab size Nominal weight</p>	<p>6mm 3000 x 1500 (4.5m²) 6mm - 14.67kg/m²</p>													
<p>Physical Properties</p> <p>Determination of dimensions and surface quality Determination of water absorption by boiling method</p> <p>Determination of modulus of rupture and breaking strength</p> <ul style="list-style-type: none"> - Average breaking load (N) - Average breaking strength (N) - Average modulus of rupture (N/mm²) - Bending strength <p>Determination of resistance to deep abrasion</p> <ul style="list-style-type: none"> - average volume, Vm(mm³) <p>Determination of linear thermal expansion</p> <p>Determination of resistance to thermal shocks</p> <ul style="list-style-type: none"> - method water absorption test ISO 10545-3 - number of specimens with visible defects <p>Determination of frost resistance</p> <ul style="list-style-type: none"> - Number of damaged tiles after 100 cycles from -5 degrees C to +5 degrees C <p>Determination of chemical resistance</p> <ul style="list-style-type: none"> - Household chemicals. Ammonium Chloride. - Swimming Pool salts. Sodium hypochlorite 20mg/l - Acid/alkai. Hydrochloric, citrus, Potassium Hydroxide, Lactic <p>Determination of colour resistance to light</p> <p>Determination of stain resistance</p> <ul style="list-style-type: none"> - Light oil. Stain removed by hot current water for 5 min - Olive oil. Stain removed by hot current water for 5 min - Iodine (alcoholic solution 13g/l). Stain removed by hot current water for 5 min 	<p>Method</p> <p>EN ISO 10545-2</p> <p>EN ISO 10545-3</p> <p>EN ISO 10545-4</p> <p>EN ISO 10545-4</p> <p>EN ISO 10545-6</p> <p>EN ISO 10545-8</p> <p>EN ISO 10545-9</p> <p>EN ISO 10545-13</p> <p>DIN 51094</p> <p>EN ISO 10545-14</p>	<p>Result</p> <p>100% of tiles without defects</p> <p>0,04%</p> <p>734 1444 60,2 ≥35N/mm²</p> <p>140</p> <p>6,1</p> <p>0</p> <p>0</p> <p>Class A - no visible effect Class A - no visible effect Class A - no visible effect</p> <p>No change in brightness or colour</p> <p>Class 5 Class 5 Class 5</p>												
<p>SLIP Resistance - (Wet Pendulum Test)</p> <p>Aster Semi Matt Marmi Calacatta Honed Marmi Royal Marfil Honed Marmi Taxos Honed Marmi Polished</p>	<p>AS/NZS 4586:2004</p>	<table border="1"> <thead> <tr> <th>CLASS</th> <th>MEAN BPN</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>40</td> </tr> <tr> <td>W</td> <td>45</td> </tr> <tr> <td>X</td> <td>36</td> </tr> <tr> <td>X</td> <td>38</td> </tr> <tr> <td>Z</td> <td>20</td> </tr> </tbody> </table>	CLASS	MEAN BPN	X	40	W	45	X	36	X	38	Z	20
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<p>SLIP Resistance - (Oil & Wet Ramp Test)</p> <p>Aster Semi Matt</p>	<p>AS/NZS 4586:2004</p>	<p>R10</p>												

Fire Test Results

AS/NZS 1530.3 - 1999 - Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

RESULTS		
Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Developed Index	1	Range 0-10

AS/NZS 3837:1998 - Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	FTI	FTI	FTI	FTI	kW/m2
Peak heat release after ignition	6.0	6.0	6.0	6.0	kW/m2
Average heat at 60s	151.8	147.1	137.2	145.4	kW/m2
Release rate at 180s	151.6	146.8	137.0	145.1	kW/m2
After ignition at 300s	0.1	0.2	0.1	0.2 k	W/m2
Total heat released	0.2	0.3	0.2	0.2	MJ/m2
Average effective heat of combustion	0.0	0.1	0.0	0.0	MJ/kg

Specimens tested failed to ignite within 10 minutes and testing was ceased as per Section 2.5.2(i)

