

essastone® Technical Data Sheet

PRODUCT GROUP		ESSASTONE COLOUR NAME							
1		Caolino, Dolomite Spur, Fino Venato							
2		Crystallite, Ash Concrete, Taupe Concrete, White Concrete, Ecu Concrete, Monte Cervino, Grigio Pezzato, Ashen Cloud, Bisque Cloud, Pure Cloud, Saint Moritz							
3		Calcite, Zinc, Concrete Pezzato, Nero Assoluto							
4		Silica, Nickel							
5		Chalkstone, Flint, Bitumen, Quarry							
6		Sandstone Cape, Limestone Cape							
7		Botticino, Carrara							
MECHANICAL PROPERTY SPECIFICATION			GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 7
Apparent Density (kg/m ³)	EN14617-1		≥ 2000	≥ 2320	≥ 2380				
Water Absorption (%)	EN14617-1		< 0.06						
Flexural Strength (MPa)	EN14617-2	20mm	> 70	> 55	> 50	> 45	> 35		
		30mm	> 75	> 55	> 50	> 45	> 35		
Modulus of Elasticity (GPa)	EN14617-2	20mm	< 13						
		30mm	< 13						
Impact Resistance (Joules)	EN14617-9	20mm	> 12.0	> 6.0	> 5.0	> 4.0	> 3.5		
		30mm	> 20.0	> 15.0	> 10.0	> 9.5	> 6.5		
Abrasion Resistance (mm)	EN 14617-4	All Finishes	< 262	< 232	< 221			< 262	
Abrasion Resistance (wear index)	ASTM D4060-10	All Finishes	< 300						
Gloss Level at 60°	AS/NZS 1580.602.2	Gloss	> 40						
		Matt	> 4						
UV Colour Fastness	AS/NZS 2924.2 part 16		≥ 4						
Acid / Alkali Resistance	EN14617-10		C4						
Freeze & Thaw Resist (25 cycles)	EN14617-5		> 0.99 (Flexural Strength Ratio)						
Thermal Shock (20 cycles)	EN14617-6		> 95 (% Flexural Strength Change)						
Stain Resistance	Beetroot Juice	All Finishes	1						
	Grape juice	All Finishes	1						
	Coffee	All Finishes	1						
	Tomato sauce	All Finishes	1						
	Red wine	All Finishes	3						
	White wine vinegar	All Finishes	1						
	Shoe polish	All Finishes	3						
	Water-based marker		Gloss	3					
		Matt & Honed	4						

This data should be considered as an indication only. The test results may vary depending on the colours and batches of the product supplied.