

# Essastone® Technical Data Sheet – Premium, Luxury and Ultimate Range

product group		essastone colour name						
group 1		Caolino, Fino Venato						
group 2		Ash Concrete, White Concrete						
group 3		Unique Calacutta, Milano Venato, Marmo Bianco, Perla Venato, Luna Concrete, Concrete Pizato, Grigio Novella						
group 4								
group 5								
group 7		Carrara						
mechanical property specification			group 1	group 2	group 3	group 4	group 5	group 7
apparent density (kg/m <sup>3</sup> ),			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	< 232	< 262	< 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 resistant	beetroot juice	EN14617-10	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.