

# Essastone® Technical Data Sheet - Standard & Deluxe Range

product group		essastone colour name		
group 2 - small chip		vena grigia, warm concrete, light concrete, new pure cloud, new zinc, new calcite, new crystallite		
group 6 - large chip		new lava black, new silica, new chalkstone, new nickel		
mechanical property specification			group 2	group 6
apparent density (kg/m <sup>3</sup> ),	EN14617-1		≥ 2000	≥ 2300
water absorption (%)	EN14617-1		< 0.12	
flexural strength (mpa)	EN14617-2	20mm	> 55	> 35
modulus of elasticity (gpa)	EN14617-2	20mm	≤ 20	
impact resistance (joules)	EN14617-9	20mm	> 6.0	> 3.5
abrasion resistance (mm)	EN 14617-4	All Finishes	< 232	< 262
abrasion resistance (wear index)	ASTM D4060-10	All Finishes	< 300	
gloss level at 60°	AS/NZS 1580.602.2	Gloss	> 30 (gloss units)	
uv colour fastness	AS/NZS 2924.2 part 16		≥ 4	
acid / alkali resistance	EN146117-10		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	2
	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	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.