

Technical Data Sheet

BS1110 Clouds Haze

Synterra
SURFACES

BetterStone

Property	Test Standard	Results
Bulk Specific Gravity	ASTM C97M-18	Mean 2309 kg/m³ (range 2307–2310)
Water Absorption	ASTM C97M-18	Mean 0.04% by weight (range 0.03–0.04)
Modulus of Rupture	ASTM C99M-18	Dried: mean 51.2 MPa (range 43.6–58.3); Soaked: mean 67.7 MPa (range 64.5–71.5)
Flexural Strength	ASTM C880M-23	Dried: mean 48.5 MPa (range 43.2–51.0); Soaked: mean 65.6 MPa (range 63.4–69.4)
Abrasion Resistance	ASTM C1353M-20	54 (range 50–57)
Compressive Strength	EN 14617-15	Dried: mean 189 MPa (range 169–207)
Stain Resistance (unsealed)	SI:STN:2018 (Stone Initiatives internal)	Stain Index: mean 4.8 (lowest value 4.0)
Chemical Resistance	Modified AS 4459.13	Household chemicals: Class A ; Swimming pool salts: Class A ; Low-conc acids: Class A ; Low-conc alkalis: Class B
Coefficient of Linear Thermal Expansion	SI-LTE-17 (Stone Initiatives internal)	22.6×10^{-6} mm/mm/°C
Mohs Hardness	Standard Mohs methodology	6–8
XRD Analysis (crystalline silica)	X-ray diffraction (no specific standard cited)	Estimated crystalline silica: 0.3%

Test Results | July 2024