

Material Characteristics



Commercial Name: Caithness Stone Type: Dark Grey, Black / Sandstone Place of Origin: Caithness / UK Density (Kg/m3): 2650 Quarry: 58°32'26.1"N 3°34'37.3"W / Lieurary Quarry, Westfield, Thurso		
Characteristics	Value	Test standard
Flexural Strength (MPa) LEV	29.20	BS EN 12372:2006
Flexural Strength freeze / thaw resistance before and after (MPa) MEAN	35.0 / 32.7	BS EN 12371:2010
Compressive Strength (MPa) LEV	152.00	BS EN 1926:2006
Compressive Strength freeze / thaw resistance before and after (MPa) MEAN	209 / 197	BS EN 12371:2010
Slip Resistance	Sawn: 69 (wet), 96 (dry)	BS EN 14231:2003
Water Absorption (g/m2/s2)	0.20	BS EN 13755:2008
Wide Wheel Abrasion (mm)	22.5	BS EN 14157:2004
Open Porosity (%)	0.4	BS EN 1936:2006
PPV (Before/After Polishing)	x	BS EN 7932:2003
Light Reflectance Value (LRV) %	9.72 (Shot-Blasted), 9.87 (Sawn), 7.73 (Riven), 15.54 (Antique)	BS EN 84369:2008



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