

## KIRKBY TEST DATA

Property	Test method	Value
<b>Petrography</b>		
Petrographic examination	EN 12407	Fine grained slate
<b>Physical properties</b>		
Los Angeles Coefficient (LA) - resistance to fragmentation	EN 1097-2	19
Particle density	EN 1097-6	Oven dried
		– 2.72 mg/m <sup>3</sup>
		Sat. surface dried
		– 2.74 mg/m <sup>3</sup>
		Apparent
		– 2.77 mg/m <sup>3</sup>
Water absorption	EN 1097-6	0.70%
Optimum Moisture Content / Maximum Dry Density (Type 1)	BS EN 13286-4	5.5% / 2.38Mg/m <sup>3</sup>
Plastic Limit (Type 1)	BS 1377	Non-Plastic
<b>Durability and weathering</b>		
Frost Heave (Type 1)	BS 812 Part 124	14mm
Magnesium sulfate soundness (MS)	EN 1367-2	7
<b>Chemical properties</b>		
Water soluble sulphur content	BS EN 1744-1	0.02%
Total Sulfur content	BS EN 1744-1	0.40%
Carbon dioxide content	EN 196-21	CO <sub>2</sub> – 4.12%
		Equivalent CaCO <sub>3</sub> – 9.52%
Acid Soluble Sulfate	BS EN 1744-1	0.10%
PH Value of Soils	BS 1377	8.3
<b>Copies of individual test reports are available on request</b>		

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