

Additional information and clarification of content should be directed to the
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STIRLINGHILL QUARRY

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Date Sampled	Property	Specification	Result	Unit
13/02/2015	Particle Density & Absorption (<i>PD&A</i>)	BS EN 1097-6		
	<i>Apparent Density (A)</i>		2.63	Mg/m ³
	<i>Oven Dried Density (OD)</i>		2.57	Mg/m ³
	<i>Saturated Surface Dry Density (SSD)</i>		2.59	Mg/m ³
	<i>Water Absorption (WA)</i>		1.00	%
05/08/2014	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	57	Value
09/12/2013	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	57	Value
11/01/2013	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	55	Value
13/02/2015	Aggregate Abrasion Value (<i>AAV</i>)	BS EN 1097: Part 8	4.3	Value
13/02/2015	Magnesium Sulphate Soundness Value (<i>MSSV</i>)	BS EN 1367: Part 2	4	%
01/04/2014	Los Angeles Coefficient Value (<i>LA</i>)	BS EN 1097: Part 2	33	%
	Los Angeles Coefficient Value (<i>LA - Rail Ballast</i>)	BS EN 1097: Part 2		%
13/02/2015	Micro Deval (<i>MD - Aggregate</i>)	BS EN 1097: Part 1	13	Value
	Micro Deval (<i>MD - Rail Ballast</i>)	BS EN 1097: Part 1		Value
17/07/2013	Alkali Silica Reactivity (<i>ASR</i>)	BS 812: 104 & BS EN 932: 3	Low	n/a
01/04/2014	Drying Shrinkage Value (<i>Dshrink</i>)	BS EN 1367: Part 4	0.022	%
	Linear Coefficient of Thermal Expansion (<i>LCoTE</i>)	3PC/06/01		mm/°C
13/02/2015	Frost Heave (<i>FH - Type I Sub-Base</i>)	BS 812: Part 124	4.3	mm
13/02/2015	<i>Plasticity</i>	BS 1377: Part 2	NP	n/a
	Frost Heave (<i>FH - Recycled Type I Sub-Base</i>)	BS 812: Part 124		mm
	<i>Plasticity</i>	BS 1377: Part 2		n/a
13/02/2015	Potential Hydrogen Value (<i>pH</i>)	BS 1377: Part 3	8.6	Value
13/02/2015	Total Potential Sulphate Content	TRL Report 447 Test No. 4	<0.03	%
13/02/2015	Oxidisable Sulphides Content (<i>as OS</i>)	TRL Report 447 Test No. 2 & 4	<0.01	%
13/02/2015	Total Sulphur Content (<i>as S</i>)	BS EN 1744: Part 1	<0.1	%
13/02/2015	Soluble Sulphate Content (Water) (<i>as SO₃</i>)	BS EN 1744: Part 1	<0.01	%
13/02/2015	Soluble Sulphate Content (Water) (<i>as SO₄</i>)	BS EN 1744: Part 1	<0.01	%
13/02/2015	Soluble Sulphate Content (Acid)	BS EN 1744: Part 1		%
13/02/2015	Sulphide Content (<i>as S</i>)	BS EN 1744: Part 1	0.19	%
13/02/2015	Chloride Content (<i>as C</i>)	BS EN 1744: Part 1	<0.001	%
13/02/2015	Calcium Carbonate Content (<i>as CaCo₃</i>)	BS EN 196: Part 2	1	%
	Total Neutralising Value (<i>TNV</i>)	BS 6463: Part 2		%