

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

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Date Sampled	Property	Specification	Result	Unit
20/03/2015	Particle Density & Absorption (<i>PD&A</i>)	BS EN 1097-6		
	<i>Apparent Density (A)</i>		2.76	Mg/m ³
	<i>Oven Dried Density (OD)</i>		2.72	Mg/m ³
	<i>Saturated Surface Dry Density (SSD)</i>		2.74	Mg/m ³
	<i>Water Absorption (WA)</i>		0.50	%
02/07/2014	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	56	Value
17/02/2014	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	55	Value
12/03/2013	Polished Stone Value (<i>PSV</i>)	BS EN 1097: Part 8	56	Value
02/07/2014	Aggregate Abrasion Value (<i>AAV</i>)	BS EN 1097: Part 8	8.9	Value
02/07/2014	Magnesium Sulphate Soundness Value (<i>MSSV</i>)	BS EN 1367: Part 2	3	%
20/03/2015	Los Angeles Coefficient Value (<i>LA</i>)	BS EN 1097: Part 2	23	%
	Los Angeles Coefficient Value (<i>LA - Rail Ballast</i>)	BS EN 1097: Part 2		%
02/07/2014	Micro Deval (<i>MD - Aggregate</i>)	BS EN 1097: Part 1	24	Value
	Micro Deval (<i>MD - Rail Ballast</i>)	BS EN 1097: Part 1		Value
21/07/2014	Alkali Silica Reactivity (<i>ASR</i>)	BS812: 104 & BS EN 932: 3	Low	n/a
06/03/2015	Drying Shrinkage Value (<i>Dshrink</i>)	BS EN 1367: Part 4	0.041	%
29/01/2010	Linear Coefficient of Thermal Expansion (<i>LCoTE</i>)	3PC/06/01	6.8 x 10 ⁻⁶	mm/°C
25/02/2015	Frost Heave (<i>FH - Type I Sub-Base</i>)	BS 812: Part 124	6	mm
25/02/2015	<i>Plasticity</i>	BS 1377: Part 2	NP	n/a
17/02/2014	Frost Heave (<i>FH - Recycled Type I Sub-Base</i>)	BS 812: Part 124	4.5	mm
17/02/2014	<i>Plasticity</i>	BS 1377: Part 2	NP	n/a
02/07/2014	Potential Hydrogen Value (<i>pH</i>)	BS 1377: Part 3	8.3	Value
02/07/2014	Total Potential Sulphate Content	TRL Report 447 Test No. 4	0.41	%
02/07/2014	Oxidisable Sulphides Content (<i>as OS</i>)	TRL Report 447 Test No. 2 & 4	0.3	%
02/07/2014	Total Sulphur Content (<i>as S</i>)	BS EN 1744: Part 1	0.1	%
02/07/2014	Soluble Sulphate Content (Water) (<i>as SO₃</i>)	BS EN 1744: Part 1	<0.01	%
02/07/2014	Soluble Sulphate Content (Water) (<i>as SO₄</i>)	BS EN 1744: Part 1	<0.01	%
02/07/2014	Soluble Sulphate Content (Acid) (<i>as SO₃</i>)	BS EN 1744: Part 1	0.1	%
02/07/2014	Sulphide Content (<i>as S</i>)	BS EN 1744: Part 1		%
02/07/2014	Chloride Content (<i>as C</i>)	BS EN 1744: Part 1	<0.001	%
02/07/2014	Calcium Carbonate Content (<i>as CaCo₃</i>)	BS EN 196: Part 2	54.42	%
17/02/2015	Total Neutralising Value (<i>TNV</i>)	BS 6463: Part 2	45.5	%