

Technical information

TARMAC WR440 SAND

Product Information

Location: Manchester road, Congleton, Cheshire. CW12 2LU

Typical aggregate properties				XRF chemical analysis%		
Particle density				Iron oxide	as Fe ₂ O ₃	0.32
Oven dried	2.55	Mg/m ³	BS EN 1097-6: 2000 (clause 9)	Calcium oxide	as CaO	0.42
Saturated surface dried	2.57	Mg/m ³		Silicon oxide	as SiO ₂	96.14
Apparent	2.58	Mg/m ³				
Water Absorption	0.1	%				
Water soluble Chloride	< 0.001	%	BS EN 1744-1: 2009 (clause 7)	Magnesium oxide	as MgO	0.12
Total Sulfur (as S)	<0.1	%	BS EN 1744-1: 2009 (clause 11)	Aluminium oxide	as Al ₂ O ₃	1.30
Acid soluble Sulfate	<0.1	%	BS EN 1744-1: 2009 (clause 12)	Phosphorus oxide	as P ₂ O ₅	0.05
Water soluble Sulfate (as SO ₃)	0.01	%	BS EN 1744-1: 2009 (clause 10)	Manganese oxide	as MnO	0.02
Bulk density (loose)	1.54	Mg/m ³	BS EN 1097-3: 1998	Sulphur oxide	as SO ₃	<0.01
Calcium carbonate equivalent	1.00	%	BS EN 196-21: 1992	Titanium oxide	as TiO ₂	0.04
pH	9.1		BS 1377-3: 1990 (clause 9)	Potassium oxide	as K ₂ O	0.63
Drying Shrinkage	0.019	%	BS EN 1367-4: 2008	Sodium oxide	as Na ₂ O	<0.08
Lightweight contaminants	<0.1	%	BS EN 1744-1: 2009 (clause 14)	Loss on ignition	@ 1000°C	0.7

Sieve size	Passing%	Additional information
2mm	100	Petrological description: Quartzose Sand Particle shape: Angular to well rounded Surface texture: Rough to smooth
1mm	99.9	
0.5mm	97.0	
0.250mm	31.0	
0.125mm	0.3	
0.063mm	0	

Notes

1. The above data is provided in good faith as a guide to typical values and does not constitute a specification.
2. The company reserves the right to revise the data at any time.
3. Individual certification available on request.

The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

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