TARMAC
A CRH COMPANY

Technical information

TARMAC WR417 SAND

Product Information

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

Typical aggregate properties				XRF chemical analysis%		
				Iron oxide	as Fe_2O_3	0.32
Particle density				Calcium oxide	as CaO	0.42
Oven dried	2.58	Mg/m^3	BS EN 1097-6: 2000 (clause 9)			
Saturated surface dried	2.56	Mg/m^3		Silicon oxide	as SiO_2	96.35
Apparent	2.60	Mg/m^3				
Water Absorption	0.2	%				
Water soluble Chloride	< 0.001	%	BS EN 1744-1: 2009 (clause 7)	Magnesium oxide	as MgO	0.10
Total Sulfur (as S)	<0.1	%	BS EN 1744-1: 2009 (clause 11)	Aluminium oxide	as Al_2O_3	1.30
Acid soluble Sulfate	<0.1	%	BS EN 1744-1: 2009 (clause 12)	Phosphorus oxide	as P_2O_5	0.04
Water soluble Sulfate (as SO_3)	0.01	%	BS EN 1744-1: 2009 (clause 10)	Manganese oxide	as MnO	0.02
Bulk density (loose)	1.55	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_2O	0.65
Drying Shrinkage	0.019	%	BS EN 1367-4: 2008	Sodium oxide	as Na_2O	0.05
Lightweight contaminators	<0.1	%	BS EN 1744-1: 2009 (clause 14)	Loss on ignition	@ 1000°C	0.5

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Sieve size	Passing%	Additional information
2mm	100	**Petrological description:**
1mm	100	Quartzose Sand
0.5mm	100	**Particle shape:**
0.250mm	60.7	Angular to well rounded
0.125mm	1.3	**Surface texture:**
0.063mm	0	Rough to smooth

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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