

TYPICAL SHARP SAND

Contents:

Mixed Sharp Sand – Typical Values

IMPORTANT NOTICE

Singleton Birch cannot accept any liability for incorrect use or application of Hydraulic Lincolnshire Lime. Recommended 'best practice' should be followed at all times.

If in doubt, please call us on Tel: 01652 686000 for advice or assistance.

MIXED SHARP SAND - TYPICAL VALUES

PRODUCT NAME:	MIXED SHARP SAND TO BS882:1992.T.4 GRADES 'C' & 'M'
PETROLOGICAL NAME:	FLINT/QUARTZ

MECHANICAL ANALYSIS:	B.S. SIEVE (pm + O.OOI mm)	% PASSING	BS 882 'M'
	10 mm	100	100
	5 mm	100	89 - 100
	3.35 mm	95	65 - 100
	2.36 mm	90	45 - 100
	1.18 mm	76	25 - 80
	600µm	51	5 - 48
	300µm	26	
	212 µm	17	0 - 15
	150 µm	8	0 - 4
	75 µ m	1.5	

SPECIFIC:	Passing 2.36 mm – Retained 212 µm Passing 1.18 mm – Retained 212 µm Passing 212 µm - Retained 150 µm	73.0% 59.0% 9.0%
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CHEMICAL ANALYSIS:			
	SILICA	SiO ₂	97.39%
	ALUMINA	Al ₂ O ₃	0.20%
	IRON	Fe ₂ O ₂	0.81%
	TITANIA	TiO ₂	0.05%
	CALCIUM OXIDE	CaO	0.26%
	MAGNESIUM OXIDE	MgO	0.30%
	POTASSIUM OXIDE	K ₂ O	0.14%
	SODIUM OXIDE	Na ₂ O	0.02%
	MANGANESE	MnO	0.05%
	LOSS ON IGNITION		0.67%

PHYSICAL PROPERTIES:	RELATIVE DENSITY (OVEN DRIED) RELATIVE DENSITY (SAT. SURFACE DRY) RELATIVE DENSITY (APPARENT) WATER ABSORPTION	2.54 2.57 2.60 0.99%
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BULK DENSITY:	Uncompacted Compacted	- -
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