



MECHANICAL ANALYSIS

PRODUCT: 14/25 FILTER SAND

DATE: 1.10.2019

SIZE RANGE: 0.6-1.2mm FILTER SAND – D₁₀ – 0.64-0.78mm

Sieve Size	Typical Grading % Retained	% Cumulative Retained	Specification
1.4	Trace	Trace	0-1
1.18	2.0	2.0	0.5
1.00	14.0	16.0	0-35
0.85	40.0	56.0	25-90
0.71	33.0	89.0	70-100
0.60	10.0	99.0	95-100
0.50	1.0	100	99-100

Petrographic Analysis

	%
Quartz	50
Quartzite	18
Recrystallised Sandstone	8
Chert / Tuff	19
Schist	2
Weathered Granite	2
Limestone	2
Ironstone	<1

Particle Shape – Sub Angular to Rounded

Loss on Ignition:	0.94%
Acid Solubility:	1.92%
Silica Content:	95.8%
Mohs:	7
Specific Gravity	2.60 tonnes per M ³
Bulk Density	1.60 tonnes per M ³
Organic Content	< 0.5%

Manufactured to BS EN 12904: 2005

