



# Soil Property Testing Ltd.

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## Aggregates for Unbound & Hydraulically Bound Materials – BS EN13242

### TESTING REQUIRED FOR COMPLIANCE TO EUROPEAN STANDARDS.

(Grading to BS EN 933 -1 )

Grading designation d/D i.e. 0/10 10mm all in or 4/40 4 to 40mm etc

	Test	Method	Amount required	Compliance	Cost
1	Particle Size Distribution	BS EN 933-1	See table 7/3	Coarse Aggregate D >4mm d >=2mm Fine Aggregate D <=4mm	£56.00
2	Flakiness Index	BS EN 933-3	16kg	Category FI	£57.75
3	Percentage of crushed or broken to totally round particles in coarse aggregate	BS EN 13242		Crushed C90/3 Natural C50/50	POA
4	Fines Content	BS EN 933-1		BS13242 = 0.063mm SHW = 0.075mm	Inc. in 1
5	Resistance to Fragmentation – Los Angeles Test	BS EN 1097-2	10kg – passing 14mm retained 10mm	LA <sub>50</sub>	£99.00
6	Particle density	BS EN 1097-6		Supplier declared	£47.25 per fraction
7	Water Absorption	BS EN 1097-6		Wa <sub>24</sub> Or if >2% providing Mag Sound MS35	Inc. in 6
8	Acid Soluble Sulphate	BS EN 13242		Table 8	POA
9	Total Sulphur	BS EN 1744-1		Max1%	POA
10	Resistance to Freezing and Thawing – Magnesium Sulphate Soundness Test	BS EN 1367-2	10kg – passing 14mm retained 10mm	MS <sub>35</sub>	£130.00
<b>OTHER TESTS REQUIRED FOR PARTICULAR CONDITIONS</b>					
A	Volume stability of blast-furnace slag	BS EN 13242		<0.075%	POA