



Soil Property Testing Ltd.

Materials Division



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MPT INFORMATION PAPER –April 2008

AGGREGATES FOR UNBOUND & HYDRAULICALLY BOUND MATERIALS - BS EN13242:2002

SEE ALSO AGGREGATES Published Document PD6682-6:2003 WHICH RELATES BS EN, TO HIGHWAYS AGENCY – SPEC FOR HIGHWAY WORKS

**TESTING REQUIRED FOR COMPLIANCE TO EUROPEAN STANDARDS.
 (Grading to BS EN 933 -1)
 Grading designation d/D ie 0/10 10mm all in or 4/40 4 to 40mm etc**

	Test	Method	Amount reqd.	Compliance
1	Particle Size Distribution	BS EN 933-1	See Table 7/3	Coarse Aggregate D >4mm d >=2mm Fine Aggregate D <=4mm
2	Flakiness Index	BS EN 933-3		Category <i>FI</i>
3	Percentage of crushed or broken to totally round particles in coarse aggregate	BS EN 13242:2002,4.4		Crushed <i>C</i> _{90/3} Natural <i>C</i> _{50/50}
5	Fines Content	BS EN 933-1		BS13242 = .063mm SHW = 0.075mm
6	Resistance to Fragmentation – Los Angeles Test	BS EN 1097-2:1998	10kg – passing 14mm retained 10mm	<i>LA</i> ₅₀
7	Particle density	BS EN 1097-6		<i>Supplier declared</i>
8	Water Absorbtion	BS EN 13242		<i>W</i> _{a24} <i>Or if</i> >2% <i>providing Mag</i> <i>Sound MS</i> ₃₅
8	Acid Soluble Sulfate	BS EN 13242:2002,6.2		<i>Table 8</i>
9	Total Sulphur	BS EN 13242:2002, 6.3		<i>Max</i> 1%
10	Resistance to freezing and thawing.Magnesium Sulfate Soundness	BS EN 1367-2		<i>MS</i> ₃₅
	OTHER TESTS REQUIRED FOR PARTICULAR CONDITIONS			<i>Guidance in Published Document PD6682-6-2003</i>
A	Volume stability of blast-furnace slag	BS EN 13242:2002		<0.075%