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BS EN 13242:2002+A1:2007

CE Mark ref. A16 Dated 01 Jan 2019

Aggregates for unbound and hydraulically bound materials

Frimstone Ltd

Ashcraft Farm, Crimpleham, Norfolk, PE33 9EB

Source quarry and material description: Worlington 4/10 Gravel

Intended use: Hydraulically bound and unbound materials for use in civil engineering and road construction

Attestation Level 4

Essential Characteristics	Declared values	Test method
Aggregate size	4/10	Designation as section 4.2 BS EN 13242:2002+A1:2007
Grading	Gc80-20	EN 933-1, Section 4.3 Table 2, 3 or 4 (EN 13242)
Shape of coarse aggregate	NPD	EN 933-3, Section 4.4 Table 5 or 6 (EN 13242)
Particle density	NPD	EN 1097-6, clauses 7, 8 or 9
Water absorption	NPD	EN 1097-6, clauses 7, 8 or 9
Fines content	NPD	Table 8 (EN 13242)
Fines quality	Non-harmful (clauses a-d Annex A)	Annex A (EN 13242)
Percentage of crushed or broken, and of totally rounded particles in coarse aggregate	NPD	EN 933-5, Section 4.5 Table 7 (EN 13242)
Resistance to fragmentation of coarse aggregate	NPD	EN 1097-2, clause 5, Section 5.2 Table 9 (EN 13242)
Resistance to wear of coarse aggregate	NPD	EN 1097-1, Section 5.3 Table 11 (EN 13242)
Classification of coarse recycled aggregate	Not applicable. Natural Aggregate.	peEN 933-11, Section 5.6 Table 12 (EN 13242)
Acid soluble sulfates	NPD	EN 1744-1, Section 6.2 Table 13 (EN 13242)
Total sulfur	NPD	EN 1744-1, Section 6.3 Table 14 (EN 13242)
Water soluble sulfate content of recycled aggregate	Not applicable. Natural Aggregate.	EN 1744-1, Section 6.4 Table 15 (EN 13242)
Constituents which alter the rate of setting and hardening of hydraulically bound mixtures	No organic substances (< clause a & b)	EN 1744-1 (presence) and Section 6.5.1 (effect), clause a & b (EN 13242)
Constituents which affect the volume stability of blast-furnace and steel slag for unbound aggregates	Not applicable. Not blast-furnace or steel slag aggregate.	EN 1744-1, Section 6.5.2 Table 16 (EN 13242)
Resistance to freezing and thawing	NPD	EN 1367-1 or EN 1367-2, Section 7.3.3, Tables 20 or 21 (EN 13242)
Sonnerbrand of basalt	Not applicable. Not basalt.	EN 1367-3 and EN 1097-2, Section 7.2 Table 17 (EN 13242)
Dangerous Substances	Regulatory Information: Not classified as dangerous. Consideration of the following risk & safety phrases is recommended: Risk Phrases: R36/37 - Irritating to eyes and respiratory system. Safety Phrases: S36/ 37/ 39 - Wear suitable protective clothing, gloves and eye /face protection. Inhalation: If inhaled over a prolonged or extended period, respirable dust from natural aggregate can lead to respiratory system damage and disease. Respirable crystalline silica has been associated with the lung disease silicosis. Skin Contact: Prolonged contact with skin may cause irritation and dryness, which may lead to dermatitis. Eye Contact: Particles of grit or dust from natural aggregates may irritate and scratch eyes. Ingestion: Unlikely to cause any problems	Not Dangerous. ZA.1. Council Directive 76/769/EEC
Declaration of Performance	In accordance with the CPR regulations, the Declaration of Performance (DoP) is held on our web site http://www.frimstone.co.uk/aggregates.php . The appropriate DoP is referenced A16 DOP on the CE Regulations page.	CPR DoP Electronic Provision No. 305/2011