Frimstone Ltd

CPR Declaration of Performance (DoP)

DoP reference:
A36 DOP

1. **Unique identification code of the product type (in combination with point 2):**
   BS EN 12620:2002+A1:2008 Aggregates for Concrete

2. **Identification of the construction product:**
   Cambridge 0/4 Concrete Sand

3. **Intended use:**
   BS EN 12620:2002+A1:2008
   Preparation for concrete for use in buildings, roads and other civil engineering works

4. **Company name:**
   Frimstone Ltd
   Ashcraft Farm,
   Crimplesham,
   Norfolk,
   PE33 9EB

5. **Authorised representative:**
   Keith Porter (address as above)

6. **System of assessment:**
   Attestation Level 4

7. **Standard and notified body:**
   Not applicable. Attestation Level 4

8. **European Technical Assessment (ETA):**
   Not applicable

continued…

9. Declared performance:

Essential Characteristics	Declared values	Test method
Aggregate size	0/4	Designation as section 4.2 BS EN 12620:2002+A1:2008
Grading	Gf85	EN 933-1, Section 4.3 Tables 2-7 (EN 12620)
Shape of coarse aggregate	Not applicable	EN 933-3, Section 4.4 Tables 8 or 9 (EN 12620)
Particle density	NPD	EN 1097-6
Water absorption	NPD	EN 1097-6
Shell content of coarse aggregate	Not applicable	EN 1367-1/EN 1367-2, Section 5.7.1 Table 18 (EN 12620)
Resistance to fragmentation of coarse aggregate	Not applicable	EN 1097-2, clause 5 or 6, Section 5.2 Table 12 or 13 (EN 12620)
Resistance to w ear of coarse aggregate	Not applicable	EN 1097-1, Section 5.3 Table 14 (EN 12620)
Resistance to polishing	NPD	EN 1097-8, Section 5.4.1 Table 15 (EN 12620)
Resistance to surface abrasion	NPD	EN 1097-8, Annex A, Section 5.4.2 Table 16 (EN 12620)
Resistance to abrasion from studded tyes	NPD	EN 1097-9, Section 5.4.2 Table 17 (EN 12620)
Constituents of coarse recycled aggregate	Not applicable	prEN 933-11, Section 5.8 Table 20 (EN 12620)
Chlorides	Water soluble <0.01%	EN 1744-1, clause 7 (w ater) and/or EN 1744-5 (acid if requested)
Acid soluble sulfates	$AS_{0.8}$ (<0.08%)	EN 1744-1, clause 12, Section 6.3.1 Table 21 (EN 12620)
Total sulfur	<1% S	EN 1744-1, clause 11, Section 6.3.2 (EN 12620)
Water soluble sulfate content of recycled aggregate	Not applicable. Natural Aggregate.	EN 1744-1, clause 12, Section 6.3.3 Table 22 (EN 12620)
Constituents of natural aggregates w hich alter the rate of setting and hardening of concrete	No organic substances (< clause a & b)	EN 1744-1, clause 15.1 (presence of organic matter) & Clause 15.3 (effect). Section 6.4.1, clause a & b (EN 12620)
Influence of initial setting time of cement (recycle aggregates)	Not applicable. Natural Aggregate.	EN 1744-6, Section 6.4.1, Table 23 (EN 12620)
Carbonate content of fine aggregate for concrete pavement surface courses	NPD	EN 196-2, clause 5
Volume stability - drying shrinkage	<0.075%	EN 1367-4
Constituents w hich affect the volume stability of air-cooled blastfurnace slag	Not applicable. Not air-cooled blastfurnace slag aggregate.	EN 1744-1, clause 19.1 & 19.2
Freeze/thaw resistance of coarse aggregate	Not applicable	EN 1367-1 or EN 1367-2, Section 5.7.1, Tables 18 or 19 (EN 12620)
Alkali-silica reactivity	NPD	CEN CR 1901
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 A36 DOP on the CE Regulations page.	CPR DoP Electronic Provision No. 305/2011

10. Declaration

The performance of the product identified in points 1 & 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for any on behalf of the manufacturer by Mr Keith Porter (Sales Manager), issued at the address given in point 4, 01 Jan 2019.

Signature: *Keith Porter*

Supporting information:

The CE Mark below was issued with your delivery ticket, or accompanying documentation in accordance with the CPR regulations. Accompanying documentation may include the quotation, order acknowledgement or invoice (delivered either in hard-copy or electronic format within an email).

CE 19	**BS EN 12620:2002+A1:2008** **Aggregates for concrete** **Frimstone Ltd** **Ashcraft Farm, Crimplesham, Norfolk, PE33 9EB**	CE Mark ref. A36 Dated 01 Jan 2019
Source quarry and material description: Cambridge 0/4 Concreting Sand		
Intended use: Preparation for concrete for use in buildings, roads and other civil engineering works		
Attestation Level 4		
Essential Characteristics	**Declared values**	**Test method**
Aggregate size	0/4	Designation as section 4.2 BS EN 12620:2002+A1:2008
Grading	Gf85	EN 933-1, Section 4.3 Tables 2-7 (EN 12620)
Shape of coarse aggregate	Not applicable	EN 933-3, Section 4.4 Tables 8 or 9 (EN 12620)
Particle density	NPD	EN 1097-6
Water absorption	NPD	EN 1097-6
Shell content of coarse aggregate	Not applicable	EN 1367-1/EN 1367-2, Section 5.7.1 Table 18 (EN 12620)
Resistance to fragmentation of coarse aggregate	Not applicable	EN 1097-2, clause 5 or 6, Section 5.2 Table 12 or 13 (EN 12620)
Resistance to w ear of coarse aggregate	Not applicable	EN 1097-1, Section 5.3 Table 14 (EN 12620)
Resistance to polishing	NPD	EN 1097-8, Section 5.4.1 Table 15 (EN 12620)
Resistance to surface abrasion	NPD	EN 1097-8, Annex A, Section 5.4.2 Table 16 (EN 12620)
Resistance to abrasion from studded tyes	NPD	EN 1097-9, Section 5.4.2 Table 17 (EN 12620)
Constituents of coarse recycled aggregate	Not applicable	prEN 933-11, Section 5.8 Table 20 (EN 12620)
Chlorides	Water soluble <0.01%	EN 1744-1, clause 7 (w ater) and/or EN 1744-5 (acid if requested)
Acid soluble sulfates	$AS_{0.8}$ (<0.8%)	EN 1744-1, clause 12, Section 6.3.1 Table 21 (EN 12620)
Total sulfur	<1% S	EN 1744-1, clause 11, Section 6.3.2 (EN 12620)
Water soluble sulfate content of recycled aggregate	Not applicable. Natural Aggregate.	EN 1744-1, clause 12, Section 6.3.3 Table 22 (EN 12620)
Constituents of natural aggregates w hich alter the rate of setting and hardening of concrete	No organic substances (< clause a & b)	EN 1744-1, clause 15.1 (presence of organic matter) & Clause 15.3 (effect). Section 6.4.1, clause a & b (EN 12620)
Influence of initial setting time of cement (recycle aggregates)	Not applicable. Natural Aggregate.	EN 1744-6, Section 6.4.1, Table 23 (EN 12620)
Carbonate content of fine aggregate for concrete pavement surface courses	NPD	EN 196-2, clause 5
Volume stability - drying shrinkage	<0.075%	EN 1367-4
Constituents w hich affect the volume stability of air-cooled blastfurnace slag	Not applicable. Not air-cooled blastfurnace slag aggregate.	EN 1744-1, clause 19.1 & 19.2
Freeze/thaw resistance of coarse aggregate	Not applicable	EN 1367-1 or EN 1367-2, Section 5.7.1, Tables 18 or 19 (EN 12620)
Alkali-silica reactivity	NPD	CEN CR 1901
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 A36 DOP on the CE Regulations page.	CPR DoP Electronic Provision No. 305/2011

Please contact us should you require any further information.