DECLARATION OF PERFORMANCE

DOP/CS/1020

10/20 (20mm Chip)

Cranford Stone, Devlinmore, Cranford, Co. Donegal

1. **Unique Identification Codes for the product types:** 10/20 (20mm Chip)
2. **Intended use:** Preparation of concrete for use in buildings, roads and other civil engineering applications
3. **Manufacturer:** Cranford Stone, Devlinmore, Cranford, Co. Donegal
4. **Authorised Representative:** Not Applicable
5. **System of AVCP:** 2+
6a. **Harmonised Standard:** IS EN 12620:2002 + A1:2007

Notified certification body: National Standards Authority Ireland

7. **Declared Performance**

Characteristic	Declared Performance	Harmonised Technical Specification
Particle Size	10/20 $G_C85/20$	EN 933-1
Particle Shape	FI_{20}	EN 933-3
Particle Density	2.6 Mg/m^3	EN 1097-6
Aggregate Type / Description	Quartzite	EN 932-3
Fines Content	$f_{1.5}$	EN 933-1
Shell Content	NPD	EN 933-7
Resistance to Fragmentation	LA_{25}	EN 1097-2
Resistance to Wear	M_{DE10}	EN 1097-1
Resistance to Polishing	NPD	EN 1097-8
Resistance to Abrasion	NPD	EN 1097-8
Resistance to Abrasion (studded tyre)	NPD	EN 1097-9
Constituents of coarse recycled aggs	NPD	EN 933-11
Chloride Content (Water Soluble)	$C\%_{0.0}$	EN 1744-1
Acid soluble sulphates	$AS_{0.4}$	EN 1744-1
Total Sulfur	$S_{0.1}$	EN 1744-1
Water Soluble Sulfates of recycled aggs	NPD	EN 1744-1
Consitituents which alter the rate of setting and hardening of concrete	NPD	EN 1744-1
Influence of recycled aggregates on initial setting time of cement	NPD	EN 1744-1
Carbonate Content	NPD	EN 196-2
Volume Stability – Drying Shrinkage	0.024	EN 1367-4
Constituents which affect the volume stability of air-cooled blastfurnace slag	NPD	EN 1744-1
Water Absorption	WA_{24} 0.6	EN 1097-6
Emmission of Radioactivity	NPD	EN 12620
Releaase of heavy metals	NPD	EN 12620
Release of polyaromatic carbons	NPD	EN 12620
Release of other dangerous substances	NPD	EN 12620
Durability against freeze/thaw	MS_{25}	EN 1367-2
Durability against alkali-silica reactivity	NPD	I.S. EN 12620:2002+A1:2008

8. N/A

The performance of the product identified above is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of Cranford Stone.

Signed for and on behalf of Cranford Stone, by Managing Director, Martin McGee

Name: Martin McGee **Managing Director on this date** 17/5/22

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DEVLINMORE, CRANFORD, CO. DONEGAL

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I.S. EN 12620:2002+A1:2008

Aggregates for Concrete

10/20 (20mm Chip)

CS/1020

Particle Size	Designation	10/20 $G_C85/20$
Particle Shape	Category	FI_{20}
Particle Density	Decared Value	2.6 Mg/m^3
Aggregate Type / Description		Quartzite
Cleanliness		
Fines Content	Category	$f_{1.5}$
Shell Content	Category	NPD
Resistance to Fragmentation	Category	LA_{25}
Resistance to Wear	Category	M_{DE10}
Resistance to Polishing	Category	NPD
Resistance to Abrasion	Category	NPD
Resistance to Abrasion (studded tyre)	Category	NPD
Composition/Content		
Constituents of coarse recycled aggs	Category	NPD
Chloride Content (Water Soluble)	Decared Value	$C\%_{0.0}$
Acid soluble sulphates	Category	$AS_{0..1}$
Total Sulfur	Category	$S_{0.1}$
Water Soluble Sulfates of recycled aggs	Category	NPD
Consitituents which alter the rate of setting and hardening of concrete	Threshold Value	NPD
Influence of recycled aggregates on initial setting time of cement	Category	NPD
Carbonate Content	Declared Value	NPD
Volume Stability		
Drying Shrinkage	Threshold Value	0.02%
Constituents which affect the volume stability of air-cooled blastfurnace slag	Threshold Value	NPD
Water Absorption	Declared Value	WA_{24} 0.6
Emmission of Radioactivity	Declared Value	NPD
Releaase of heavy metals	Threshold Value	NPD
Release of polyaromatic carbons	Threshold Value	NPD
Release of other dangerous substances	Declared Value	NPD
Durability against freeze/thaw	Category	MS_{25}
Durability against alkali-silica reactivity	Declared Value	NPD