IRWINS QUALITY AGGREGATES

CE

1333

CEMEX UK
CEMEX House
Coldharbour Lane, Thorpe
Egham, Surrey, TW20 8TD
Brighton

EN 12620
Aggregate for Concrete –
20mm New Forest Flint

Particle shape		**FI35**
Particle size		**10/20 Gc 85/20**
Particle density	Saturated Surface Dry	**2.57 Mg/m3**
	Oven Dry	**2.54 Mg/m3**
	Apparent	**2.62 Mg/m3**
Cleanliness		
Fines Content		***f1.5***
Shell Content		**SC10**
Resistance to fragmentation/crushing		**LA40**
Resistance to polishing		**PSVNR**
Resistance to abrasion		**AAVNR**
Resistance to wear		**MDE NR**
Composition/content		
Composition of coarse recycled aggregate		NR
Chlorides		**<0,025% C**
Acid soluble sulfates		**AS<0.8**
Total sulfur		**Pass, <1%**
Influence on initial setting time of cement (recycled aggregate)		**A NR**
Constituents which alter the rate of setting & hardening of concrete		NR
Carbonate content		**<25% C**
Volume Stability		
Drying shrinkage		**Pass, 0.024% WS**
Constituents which affect volume stability of aircooled blastfurnaceslag		NR
Water absorption		**1.3% WA**
Emission of radioactivity		NR
Release of heavy metals		NR
Release of polyaromatic carbons		NR
Release of other dangerous substances		NR
Durability against freeze-thaw		**MS18**
Durability against alkali-silica reactivity		NR

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DECLARATION OF PERFORMANCE
No. 541-2739B

1 Unique identification code of the product-type:

Aggregate for Concrete –
20mm New Forest
Flint10/20 Gc 85/20

2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

10002739

3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Aggregate for Concrete – 20mm New Forest Flint

4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

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5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

6 System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+

7 In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN 12620

Certification body No. 1333 performed the initial inspection of the manufacturing plant, factory production control, continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

8 Declared performance

Please see table on following page:

Essential Characteristics	Performance	Harmonised Technical Specification
Particle shape, size and density:		
Aggregate size and grading	**10/20 Gc 85/20**	**BS EN 12620**
Shape of coarse aggregate	**FI35**	
Particle density SSD (Mg/m)	**2.57 Mg/m3**	
OD	**2.54 Mg/m3**	
APP	**2.62 Mg/m3**	
Water absorption (%)	**1.3% WA**	
Cleanliness:		
Shell content of coarse aggregate	**SC10**	
Fines	***f1.5***	
Resistance to fragmentation/crushing:		
Resistance to fragmentation of coarse aggregate	**LA40**	
Resistance to polishing/abrasion/wear:		
Resistance to wear of coarse aggregate	**MDE NR**	
Resistance to polishing	**PSVNR**	
Resistance to surface abrasion	**AAVNR**	
Resistance to abrasion from studded tyres	**AN NR**	
Composition/content:		
Constituents of coarse recycled aggregate	**NR**	
Chlorides	**<0,025% C**	
Acid soluble sulfates	**AS<0.8**	
Total sulfur	**Pass, <1%**	
Water-soluble sulfate content of recycled aggregates	**NR**	
Constituents of natural aggregates which alter the rate of setting and hardening of concrete	**NR**	
Influence on initial setting time of cement	**A NR**	
Carbonate content of fine aggregate for concrete pavement surface courses	**NR**	
Volume stability:		
Volume stability - drying shrinkage	**Pass, 0.024% WS**	
Constituents which affect the volume stability of air-cooled blastfurnace slag	**NR**	
Dangerous substances:		b
Emission of radioactivity	**NR**	
Release of heavy metals	**NR**	
Release of polyaromatic carbons	**NR**	
Release of other dangerous substances	**NR**	
Durability against freeze-thaw:		**BS EN 12620**
Freeze/thaw resistance of coarse aggregate	**MS18**	
Durability against alkali-silica reactivity:		a
Alkali-silica reactivity	**NR**	

a - When required in case of doubt, in accordance with the provisions in place of use

b - Unless otherwise specified, only when necessary for CE marking purposes.

9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Steve Crompton
National Technical Director, UK Materials
Rugby, UK 02/02/2018