



Aggregate Express  
 Quarry Products LTD  
 Forest Wood Quarry  
 Pontyclun CF 72 9XD

22

BS EN 13242  
 Aggregate for Unbound and  
 Hydraulically bound aggregates

<b>Particle shape</b>		<b>F135</b>
<b>Particle size</b>		<b>4/20 Gc 90/15</b>
<b>Particle density</b>	Saturated Surface Dry	<b>2.77 Mg/m<sup>3</sup></b>
	Oven Dry	<b>2.74 Mg/m<sup>3</sup></b>
	Apparent	<b>2.81 Mg/m<sup>3</sup></b>
<b>Cleanliness</b>		
Fines Content		<b>F3</b>
Shell Content		<b>NPD</b>
<b>Resistance to fragmentation/crushing</b>		<b>LA40</b>
<b>Resistance to polishing</b>		<b>NPD</b>
<b>Resistance to abrasion</b>		<b>AAV 6.7</b>
<b>Resistance to wear</b>		<b>MDE 8</b>
<b>Composition/content</b>		
Chlorides		<b>&lt;0.001% C</b>
Acid soluble sulfates		<b>AS0.2</b>
Total sulfur		<b>&lt;.1%</b>
Carbonate content		<b>60.5%</b>
<b>Volume Stability</b>		
Drying shrinkage		<b>NPD</b>
		<b>1.0% WA</b>
<b>Water absorption</b>		<b>MSWA 24 1.0%</b>
<b>Emission of radioactivity</b>		<b>NPD</b>
<b>Release of heavy metals</b>		<b>NPD</b>
<b>Release of polyaromatic carbons</b>		<b>NPD</b>
<b>Release of other dangerous substances</b>		<b>NPD</b>
<b>Durability against freeze-thaw</b>		<b>MSS 18</b>
<b>Durability against alkali-silica reactivity</b>		<b>NPD</b>

## DECLARATION OF PERFORMANCE

- 1 Unique identification code of the product-type:  
**Aggregate for Unbound and Hydraulically bound aggregates**  
**4/20 Gc 90/15**
  
- 2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):  
**4/20 Gc 90/15**
  
- 3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:  
**Aggregate for Unbound and Hydraulically bound aggregates**
  
- 4 Name, registered trade name or registered trademark and contact address of the manufacturer as required.  
**Aggregates Express Quarry Products Ltd**  
**Forest Wood Quarry**  
**Pontyclun**  
**CF 72 9XD**
  
- 5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): As below
  
- 6 System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:  
**System 4**
  
- 7 In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
**BS EN 13242**
  
- 8 Declared performance  
**Please see table on following page:**

<b>Essential Characteristics</b>	<b>Performance</b>	<b>Harmonised Technical Specification</b>
<b>Particle shape, size and density:</b> Aggregate size and grading Shape of coarse aggregate Particle density (Mg/m <sup>3</sup> ) SSD OD APP Water absorption (%)	<b>4/20 Gc 90/15 FI35 2.77 Mg/m<sup>3</sup> 2.74 Mg/m<sup>3</sup> 2.81 Mg/m<sup>3</sup> 1.0% WA</b>	<b>BS EN 13242</b>
<b>Cleanliness:</b> Shell content of coarse aggregate Fines	<b>NPD F3</b>	
<b>Resistance to fragmentation/crushing:</b> Resistance to fragmentation of coarse aggregate	<b>LA40</b>	
<b>Resistance to polishing/abrasion/wear:</b> Resistance to wear of coarse aggregate Resistance to polishing Resistance to surface abrasion Resistance to abrasion from studded tyres	<b>MDE 8 NPD AAV 6.7 NPD</b>	
<b>Composition/content:</b> Constituents of coarse recycled aggregate Chlorides Acid soluble sulfates Total sulfur	<b>NR &lt;0.001% C AS0.8 &lt;1%</b>	
<b>Volume stability:</b> Volume stability - drying shrinkage	<b>NPD</b>	
<b>Dangerous substances:</b> Emission of radioactivity Release of heavy metals Release of polyaromatic carbons Release of other dangerous substances	<b>NPD NPD NPD NPD</b>	
<b>Durability against freeze-thaw:</b> Freeze/thaw resistance of coarse aggregate	<b>MSS 18</b>	
<b>Durability against alkali-silica reactivity:</b> Alkali-silica reactivity	<b>Low</b>	

**Ben Trotman**  
**Quarry Manager**  
**Aggregates Express Quarry Products Ltd**