

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

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**BS EN 12620
Aggregate for Concrete**

| | | |
|--|-----------------------|------------------------------|
| Particle shape | | FI35 |
| Particle size | | 10/20 Gc 85/20 |
| Particle density | Saturated Surface Dry | 2.77 Mg/m³ |
| | Oven Dry | 2.74 Mg/m³ |
| | Apparent | 2.81 Mg/m³ |
| Cleanliness | | |
| Fines Content | | F3 |
| Shell Content | | NPD |
| Resistance to fragmentation/crushing | | LA40 |
| Resistance to polishing | | NPD |
| Resistance to abrasion | | AAV 6.7 |
| Resistance to wear | | MDE 8 |
| Composition/content | | |
| Chlorides | | <0.001% C |
| Acid soluble sulfates | | AS0.2 |
| Total sulfur | | <.1% |
| Carbonate content | | 60.5% |
| Volume Stability | | |
| Drying shrinkage | | NPD |
| | | 1.0% WA |
| Water absorption | | MSWA 24 1.0% |
| Emission of radioactivity | | NPD |
| Release of heavy metals | | NPD |
| Release of polyaromatic carbons | | NPD |
| Release of other dangerous substances | | NPD |
| Durability against freeze-thaw | | MSS 18 |
| Durability against alkali-silica reactivity | | NPD |

DECLARATION OF PERFORMANCE

- 1 Unique identification code of the product-type:
Aggregate for Concrete
10/20 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):
10/20 Gc 85/20

- 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,

- 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
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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): 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 12620

- 8 Declared performance
Please see table on following page:

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|---|------------------------------------|
| Particle shape, size and density: Aggregate size and grading Shape of coarse aggregate Particle density (Mg/m ³) Water absorption (%) | 10/20 Gc 85/20 FI35 SSD 2.77 Mg/m³ OD 2.74 Mg/m³ APP 2.81 Mg/m³ 1.0% WA | BS EN 12620 |
| Cleanliness: Shell content of coarse aggregate Fines | NPD F3 | |
| Resistance to fragmentation/crushing: Resistance to fragmentation of coarse aggregate | LA40 | |
| Resistance to polishing/abrasion/wear: Resistance to wear of coarse aggregate Resistance to polishing Resistance to surface abrasion Resistance to abrasion from studded tyres | MDE 8 NPD AAV 6.7 NPD | |
| Composition/content: Constituents of coarse recycled aggregate Chlorides Acid soluble sulfates Total sulfur | NR <0.001% C AS0.8 Pass, <1% NR | |
| Volume stability: Volume stability - drying shrinkage | NPD | |
| Dangerous substances: Emission of radioactivity Release of heavy metals Release of polyaromatic carbons Release of other dangerous substances | NPD NPD NPD NPD | |
| Durability against freeze-thaw: Freeze/thaw resistance of coarse aggregate | MSS 18 | |
| Durability against alkali-silica reactivity: Alkali-silica reactivity | Low | |

Ben Trotman
Quarry Manager
Aggregates Express Quarry Products Ltd