

## Declaration of Performance

### DoP No. 028

1. Unique identification code of product type: **Aggregates for Concrete EN 12620**
2. Type, batch or serial number or any other element allowing identification of the construction product:  
**4/10mm Single Size Concrete Aggregate Gravel.**
3. Intended use: **Preparation of concrete for use in buildings, roads and other civil engineering works**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer:-  
**Tarmac Building Products Limited, i10, Railway Drive, Wolverhampton, WV1 1LH**
5. Authorised representative: **Not applicable**
6. Assessment and verification of constancy of performance: **System 4**
7. In accordance with the harmonised standard **EN 12620**
8. European Technical Assessment: **Not applicable**

#### 9. Declared performance

| Essential Characteristics   | Performance   |                           | EN 12620        |
|---|---|---------------------------|-----------------|
| Aggregate type  |   | Gravel                    |                 |
| Particle shape, size and density  | Particle size   | 4/10 G <sub>C</sub> 85/20 | Designation     |
|   | Particle shape  | Fl <sub>50</sub>          | Category        |
|   | Particle density (Saturated surface dried)                                      | 2.55 Mg/m <sup>3</sup>    | Declared value  |
| Water absorption  |   | Max 4.9% WA               | Declared value  |
| Cleanliness   | Fines content   | Pass; f <sub>3</sub>      | Threshold value |
|   | Fines quality   | NPD                       | Declared value  |
|   | Shell content   | NR                        | Declared value  |
| Resistance to fragmentation   |   | LA <sub>50</sub>          | Category        |
| Resistance to abrasion  |   | NPD                       | Category        |
| Resistance to wear  |   | NR                        | Category        |
| Durability against freeze / thaw (MSSV)   |   | NR                        | Category        |
| Composition / content   | Chlorides   | <0.045%C                  | Declared value  |
|   | Acid soluble sulfates   | AS <sub>0.2</sub>         | Category        |
|   | Total sulphur   | Pass: <1% S               | Threshold value |
|   | Constituents of coarse recycled aggregates                                      | NR                        | Declared value  |
|   | Carbonate content   | NR                        | Declared value  |
|   | Water soluble sulfate content of recycled aggregate                             | NR                        | Declared value  |
| Volume stability  | Drying shrinkage  | 0.075% WS; Pass           | Threshold       |
|   | Constituents which effect the volume stability of air cooled blast furnace slag | NR                        | Declared value  |
| <b>No Performance determined for the following properties</b> (as recommended by PD 6682-1) |   |                           |                 |
| Emission of radioactivity   |   | NPD                       | Declared value  |
| Resistance to polishing   |   | NPD                       | Category        |
| Release of heavy metals   |   | NPD                       | Threshold value |
| Release of polyaromatic carbons   |   | NPD                       | Threshold value |
| Release of other dangerous substances   |   | NPD                       | Declared value  |

|  |  |     |                 |
|--|--|-----|-----------------|
| Durability against alkali- silica reactivity                           |  | NPD | Declared value  |
| Composition / content  |  | NPD | Threshold value |
| Constituents that alter the rate of setting and hardening of concrete; |  |     |                 |

Table 1

10. The performance of the product identified in points 1 and 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 and on behalf of the manufacturer by:

Mr Stuart Allerton – (Quality Systems Manager)



22<sup>nd</sup> July 2014