Declaration of Performance
DoP No. 038

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: **2/6mm 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	Aggregate size	2/6.3	Declared value
	Grading	$G_{C\ 85/20}$	Declared value
	Particle shape	FI_{35}	Declared value
	Particle density (Saturated surface dried)	2.59 Mg/m^3	Declared value
Water absorption		1.2% WA	Declared value
Cleanliness	Fines content	Pass; f_3	Declared value
	Fines quality	NPD	Declared value
	Shell content of coarse aggregates	NPD	Declared value
Resistance to fragmentation/crushing	Resistance to fragmentation/crushing of coarse aggregate	LA_{40}	Category
Resistance to abrasion / wear/ attrition	Resistance to polishing of coarse aggregates for surface courses	NPD	Declared value
	Resistance to surface abrasion	NPD	Category
	Resistance to wear of coarse aggregate	NPD	Category
	Resistance to abrasion from studded tyres	NPD	Category
Composition / content	Constituents of coarse recycled aggregates	NPD	Category
	Chlorides	<0.001%C	Declared value

	Acid soluble sulfates	AS $_{0.2}$	Category
	Total sulphur	Pass: <1% S	Threshold value
	Water soluble sulfate content of recycled aggregate	NPD	Declared value
	Constituents of natural aggregates which alter the rate of setting and hardening of concrete/mortar/HBM	NPD	Pass/fail Threshold value
	Influence on initial setting time of cement (recycled aggregates)	NPD	Category
	Carbonate content of fine aggregate for concrete pavement surface courses	NPD	Declared value
Volume stability	Drying shrinkage	0.075% WS; Pass	Threshold
	Constituents which effect the volume stability of air cooled blast furnace slag	NPD	Declared value
Dangerous substances		NPD	
Durability against freeze / thaw	Resistance to freezing and thawing	NPD	Declared value
Durability against alkali- silica reactivity	Alkali- silica reactivity	NPD	Declared value

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)

22nd July 2014