

Declaration of Performance DoP No. 027

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:
0/20mm All-in 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, Salisbury House, 2A Tettenhall Road, Wolverhampton, WV1 4SA, UK
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		Natural sand/gravel	
Basic petrographic from EN 992-3		Sand/gravel	Declared value
Particle shape, size and density	Particle size	0/20 G _A 90	Designation
	Particle shape	FL ₅₀	Designation
	Particle density (Saturated surface dried)	2.61 Mg/m ³	Declared value
Water absorption		Max 3.5% WA	Declared value
Cleanliness	Fines content	Pass; f ₃	Threshold value
	Fines quality	NPD	Declared value
	Shell content	NR	Declared value
Resistance to fragmentation/crushing		LA ₄₀	Category
Resistance to abrasion		NR	Category
Resistance to wear		NR	Category
Durability against freeze / thaw (MSSV)		NR	Category
Composition / content	Chlorides	<0.036%C	Declared value
	Acid soluble sulfates	AS _{0.2}	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
No Performance determined for the following properties (as recommended by PD 6682-1)			
Emission of radioactivity		NPD	Threshold 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

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Essential Characteristics	Performance		EN 12620
Durability against alkali- silica reactivity		NPD	Declared value
Composition / content Constituents that alter the rate of setting and hardening of concrete;		NPD	Threshold 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