

## Declaration of Performance

### DoP No. 037

1. Unique identification code of product type: **Aggregates for Railway Ballast EN 13450**
2. Type, batch or serial number or any other element allowing identification of the construction product:  
**31.5/50mm Railway Ballast**
3. Intended use: **Railway ballast for use in construction of railway track**
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 13450**
8. European Technical Assessment: **Not applicable**
9. Declared performance

Requirement	Performance		EN 13450:2013
Particle shape, size and density	Railway ballast size	31.5/50	
	Grading	G <sub>C</sub> RBA	
	Content of fine particle	B	
	Fine content	A	
	Particle shape	FL <sub>35</sub>	
	Particle length	A	
Resistance to fragmentation	Los Angeles	LA <sub>RB20</sub>	
	Resistance to impact	SZ <sub>RBNR</sub>	
	Resistance to wear	M <sub>DE</sub> RB7	
Particle density and water absorption	Particle density	2.75 Mg/m <sup>3</sup>	
	Water absorption	0.30%	
Petrographic description		Dioritic	
Durability	Magnesium sulfate soundness	MS <sub>RB3</sub>	
	Water absorption as a screening test for freeze-thaw resistance	<0.5%	
	Resistance to freezing and thawing	F <sub>RB1</sub>	
	Resistance to freezing and thawing in the presence of salt (extreme conditions)	F <sub>EC</sub> RB <sub>NPD</sub>	
	Electrical conductivity	NPD	
	Sonnenbrand	SB <sub>RBNR</sub>	
	Constituents which effect the volume stability of air cooled blast furnace slag	NR	
Dangerous substances	Emission of radioactivity	NPD	
	Release of heavy metals	NPD	
	Release of polyaromatic carbons	NPD	
	Release of other dangerous substances	76/769/EEC substance not present	

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)

A handwritten signature in black ink, appearing to read 'S. Allerton', written over a faint red horizontal line.

22<sup>nd</sup> July 2014