

**DECLARATION OF PERFORMANCE  
CE213**



1. Product Type: **Grano Dust**  
 2. Identification Code: **49**  
 3. Intended Use: **Aggregates for Concrete**  
 4. Manufacturer: **Thomas Armstrong (Holdings) Ltd Workington Rd, Flimby, Maryport, Cumbria. CA15 8RY**  
 5. Authorised Representative: **Not applicable**  
 6. AVCP: **System 4**  
 7. Harmonised Standard: **EN 12620:2013**  
 8. ETA: **Not applicable**  
 9. Declared Performance:

Essential Characteristics	Performance	Harmonised technical specification
Particle shape	FI NR	EN 12620:2013
Particle size	NPD	
Particle density	NPD	
Cleanliness		
Fines content	NPD	
Fines quality	NPD	
Shell content	SC 23	
Resistance to fragmentation / crushing	NPD	
Resistance to polishing	NPD	
Resistance to abrasion	NPD	
Resistance to wear	NPD	
Composition/content		
Composition of coarse recycled aggregate	NPD	
Chlorides	< 0.01%	
Acid soluble sulphates	AS 0.2	
Total sulphur	NPD	
Water Soluble Sulphate Content of Recycled Aggregate	NPD	
Constituents which alter the rate of setting of hardening concrete	NPD	
Influence of recycled aggregates on initial setting time of cement	NPD	
Carbonate content	NPD	
Volume Stability		
Drying Shrinkage	NPD	
Constituents which affect the volume stability of air-cooled blast furnace slag	NPD	
Water absorption	NPD	
Emission of radioactivity	NPD	
Release of heavy metals	NPD	
Release of polyaromatic carbons	NPD	
Release of other dangerous substances	NPD	
Durability against freeze-thaw	NPD	
Durability against alkali-silica reaction	NPD	

NPD = No property declared

10. The performance of the product identified in 1 and 2 is in conformity with the declared performance in 9.

*This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in 4.*

Signed on behalf of the manufacturer:

A Denham (Managing Director)  
Flimby, Cumbria 1st June 2013



**Thomas Armstrong (Holdings) Ltd Workington Rd, Flimby, Maryport, Cumbria. CA15 8RY**

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See also Declaration of Performance

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