

# MIDDLETON AGGREGATES LTD

**Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry**

## Declaration of Performance

**No: MAL004**

1) Product Type:

**Aggregates for Concrete  
4/20 Gc90/15**

2) Type, Batch or Serial No:

**East Bilney 4/20 Stone**

3) Intended Use:

**As an Aggregate for use as an ingredient in Concrete products or similar**

4) Name of manufacturer:

**Middleton Aggregates Ltd  
Mill Drove, Blackborough End,  
Kings Lynn, Norfolk. PE32 1SW**

5) Contact Name:

**Sales Manager, Mr Andy Fenwick, at the above address.**

6) System of Assessment: (as per the Construction Products Regulations)

**System 4**

7) Covered by the Following Harmonised Standards:

**EN 12620-2002  
Aggregates for Concrete**

8) Declared Performance:

**Please see the following page:**

<b>QCF 09</b>	<b>Issue 2 January 2015</b>	<b>REF: MAL004</b>
<b>EN 12620</b>		
<b>Aggregates for concrete</b>		
<b>Particle Size Distribution</b>	<i>4/20 Gc90/15 Stone</i>	
<b>40mm</b>	100 - 100 %	
<b>31.5mm</b>	98 - 100 %	
<b>20mm</b>	90 - 99 %	
<b>10mm</b>	25 - 70 %	
<b>4mm</b>	0 - 15 %	
<b>2mm</b>	0-5 %	
<b>Particle Density</b>	2.61 Mg/m <sup>3</sup>	
<b>Cleanliness</b>		
<b>Fines Quality</b>	f 2.0%	
<b>Shell content</b>	NPD	
<b>Resistance to fragmentation/crushing</b>	NPD	
<b>Resistance to polishing</b>	NPD	
<b>Resistance to abrasion</b>	NPD	
<b>Resistance to wear</b>	NPD	
<b>Composition /content</b>		
<b>Chlorides</b>	<0.01%	
<b>Acid soluble sulphates</b>	AS <sub>0.03%</sub>	
<b>Total sulphur</b>	NPD	
<b>Carbonate content</b>	NPD	
<b>Volume Stability</b>		
<b>Drying shrinkage</b>	0.025%WS	
<b>Water absorption</b>	1.4%WA	
<b>Emission of radioactivity</b>	NPD	
<b>Release of heavy metals</b>	NPD	
<b>Release of polyaromatic carbons</b>	NPD	
<b>Release of other dangerous substances</b>	NPD	
<b>Durability against freeze/thaw</b>	NPD	
<b>Durability against alkali silica reactivity</b>	NPD	
	NPD = No property declared	

9): The performance of the product in points 1 and 2 is in conformity of the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the quarry operator identified in point 4.

Signed for and on behalf of the quarry operator by:  
Mr Martin F Freestone, Production Manager



21<sup>st</sup> January 2015



Middleton Aggregates Ltd  
Mill Drove, Blackborough End, Kings Lynn, Norfolk. PE32 1SW  
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D.O.P REF: MAL004

**EN 12620**  
**Aggregates for Concrete**

<b>Particle size</b>	Designation	(d/D)
<b>Particle Density</b>	Declared value	(Mg/m <sup>3</sup> )
<b>Cleanliness</b>		
Fines quality	Pass/fail threshold value	(%)
	Category	(MB,SE)
Shell content		NPD
<b>Resistance to Fragmentation/Crushing</b>	Category	NPD
<b>Resistance to polishing</b>		NPD
<b>Resistance to abrasion</b>		NPD
<b>Resistance to wear</b>		NPD
<b>Composition/content</b>		
Chlorides	Declared Value	(% C)
Acid soluble sulfates	Category	(e.g.AS <sub>0,2</sub> )
Total sulphur		NPD
Constituents which alter the rate of setting and hardening of concrete		NPD
<b>Carbonate content</b>		NPD
<b>Volume Stability</b>		
Drying shrinkage	Pass/fail threshold value	(% S)
Constituents which affect the volume stability of air-cooled blast furnace slag		NPD
<b>Water absorption</b>	Declared Value	(% WA)
<b>Emission of radioactivity</b>		NPD
<b>Release of Heavy metals</b>		NPD
<b>Release of polyaromatic carbons</b>		NPD
<b>Release of other dangerous substances</b>		NPD
<b>Durability against freeze-thaw</b>		NPD
<b>Durability against alkali-silica reactivity</b>		NPD