

MIDDLETON AGGREGATES LTD

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

Declaration of Performance

No: MAL001

1) Product Type:

**Aggregates for Concrete
0/4MP GF85**

2) Type, Batch or Serial No:

East Bilney 0/4 Sand

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:

| | | |
|--|---------------------------------------|--------------------|
| QCF 09 | Issue 2 January 2015 | REF: MAL001 |
| EN 12620 | | |
| Aggregates for concrete | | |
| Particle Size Distribution | 0/4MP Gf85 Sand | |
| 6.3mm | 95 - 100 % | |
| 4mm | 85 - 99 (± 5) % | |
| 0.5mm | 30 - 70 % | |
| 0.063mm | (± 3) % | |
| Particle Density | 2.63 Mg/m³ | |
| Cleanliness | | |
| Fines Quality | f 3.0% | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to wear | NPD | |
| Composition /content | | |
| Chlorides | <0.01% | |
| Acid soluble sulphates | AS_{0.03%} | |
| Total sulphur | NPD | |
| Carbonate content | NPD | |
| Volume Stability | | |
| Drying shrinkage | 0.031%WS | |
| Water absorption | 1.79%WA | |
| 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 reactivity | 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



21st January 2015



Middleton Aggregates Ltd
Mill Drove, Blackborough End, Kings Lynn, Norfolk. PE32 1SW
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D.O.P REF: MAL001

EN 12620
Aggregates for Concrete

| | | |
|---|---------------------------|--------------------------|
| Particle size | Designation | (d/D) |
| Particle Density | Declared value | (Mg/m ³) |
| Cleanliness | | |
| Fines quality | Pass/fail threshold value | (%) |
| | Category | (MB,SE) |
| Shell content | | NPD |
| Resistance to Fragmentation/Crushing | Category | NPD |
| Resistance to polishing | | NPD |
| Resistance to abrasion | | NPD |
| Resistance to wear | | NPD |
| Composition/content | | |
| Chlorides | Declared Value | (% C) |
| Acid soluble sulfates | Category | (e.g.AS _{0,2}) |
| Total sulphur | | NPD |
| Constituents which alter the rate of setting and hardening of concrete | | NPD |
| Carbonate content | | NPD |
| Volume Stability | | |
| Drying shrinkage | Pass/fail threshold value | (% S) |
| Constituents which affect the volume stability of air-cooled blast furnace slag | | NPD |
| Water absorption | Declared Value | (% WA) |
| 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 reactivity | | NPD |