

# Technical information

## TARMAC WR406 DRIED SAND

### Product Information

**Location:** Manchester road, Congleton, Cheshire. CW12 2LU

| Typical aggregate properties                |         |                   |                                   | XRF chemical analysis% |                                   |       |
|---|---------|-------------------|-----------------------------------|------------------------|-----------------------------------|-------|
| Particle density                            |         |                   |                                   | Iron oxide             | as Fe <sub>2</sub> O <sub>3</sub> | 0.38  |
| Oven dried                                  | 2.62    | Mg/m <sup>3</sup> | BS EN 1097-6:<br>2000 (clause 9)  | Calcium oxide          | as CaO                            | 0.03  |
| Saturated surface dried                     | 2.62    | Mg/m <sup>3</sup> |                                   | Silicon oxide          | as SiO <sub>2</sub>               | 96.62 |
| Apparent                                    | 2.63    | Mg/m <sup>3</sup> |                                   |                        |                                   |       |
| Water Absorption                            | 0.3     | %                 |                                   |                        |                                   |       |
| Water soluble Chloride                      | < 0.001 | %                 | BS EN 1744-1:<br>2009 (clause 7)  | Magnesium oxide        | as MgO                            | <0.03 |
| Total Sulfur (as S)                         | <0.1    | %                 | BS EN 1744-1:<br>2009 (clause 11) | Aluminium oxide        | as Al <sub>2</sub> O <sub>3</sub> | 1.68  |
| Acid soluble Sulfate                        | <0.1    | %                 | BS EN 1744-1:<br>2009 (clause 12) | Phosphorus oxide       | as P <sub>2</sub> O <sub>5</sub>  | 0.03  |
| Water soluble Sulfate (as SO <sub>3</sub> ) | <0.01   | %                 | BS EN 1744-1:<br>2009 (clause 10) | Manganese oxide        | as MnO                            | <0.01 |
| Bulk density (loose)                        | 1.56    | Mg/m <sup>3</sup> | BS EN 1097-3: 1998                | Sulphur oxide          | as SO <sub>3</sub>                | <0.01 |
| Calcium carbonate equivalent                | 1.26    | %                 | BS EN 196-21: 1992                | Titanium oxide         | as TiO <sub>2</sub>               | 0.04  |
| pH  | 7.3     |                   | BS 1377-3: 1990<br>(clause 9)     | Potassium oxide        | as K <sub>2</sub> O               | 0.68  |
| Drying Shrinkage                            | 0.024   | %                 | BS EN 1367-4: 2008                | Sodium oxide           | as Na <sub>2</sub> O              | <0.03 |
| Lightweight contaminants                    | <0.1    | %                 | BS EN 1744-1:<br>2009 (clause 14) | Loss on ignition       | @ 1000°C                          | 0.4   |

| Sieve size | Passing% | Additional information  |
|------------|----------|---|
| 2mm        | 100      | <b>Petrological description:</b><br>Silica Sand<br><b>Particle shape:</b><br>Sub-angular to well rounded<br><b>Surface texture:</b><br>Moderately rough to smooth |
| 1mm        | 100      |   |
| 0.5mm      | 99.8     |   |
| 0.250mm    | 85.7     |   |
| 0.125mm    | 7.2      |   |
| 0.063mm    | 0        |   |

### Notes

1. The above data is provided in good faith as a guide to typical values and does not constitute a specification.
2. The company reserves the right to revise the data at any time.
3. Individual certification available on request.

The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

### For more details contact:

**03456 007 703**

**[www.tarmac.com](http://www.tarmac.com)**

Tarmac Building Products Ltd

Tunstead House, Buxton, SK17 8TG