

# Technical information

Portland Cement  
(CEM 52,5)  
**BULK PRODUCT DATA SHEET**

## Blue Circle PORTLAND CEMENT

Bulk Blue Circle PORTLAND CEMENTS are used for civil engineering, building applications, ready-mixed concrete, and concrete products. Tarmac's Blue Circle PORTLAND CEMENTS are quality-assured with independent third party certification and carry a CE Mark.

### APPLICATIONS

For use in ready-mixed concrete, precast concrete, production of concrete products and other concrete applications Concrete, mortars and grouts containing Blue Circle PORTLAND CEMENTS must be specified and used correctly for best performance. The cement content must be correct and the water:cement ratio as low as possible consistent with satisfactory placing, thorough compaction and effective curing.

Refer to the following documents:

- BS EN 206: Concrete.
- BS 8500: Concrete – Complementary British Standard to BS EN 206.

Phoenix should be used where increased resistance to sulfates is required.

### PROPERTIES

- Grey colour
- Consistent strength meeting all the conformity criteria in BS EN 197-1.
- Compatible with admixtures such as air-entraining agents and workability aids, with additions such as fly ash and ground granulated blastfurnace slag and with pigments. Trial mixes are recommended to determine the optimum mix proportions.

### CONDITIONS OF USE

- Concrete, mortars and grouts containing Blue Circle PORTLAND CEMENTS must be specified and used correctly for best performance.
- The cement content must be correct and the water:cement ratio as low as possible consistent with satisfactory placing, thorough compaction and effective curing.
- The final finish quality of this material will depend upon the operative having the required skills and a familiarisation with the materials and its application methods.
- Tarmac Cement cannot be held responsible where workmanship has not been carried out in accordance with good practice.
- Blue Circle PORTLAND CEMENTS are manufactured from natural products, and slight shade variations may occur. Portland cements will also have shade variations from differing manufacturing centres.

### AVAILABILITY

Tarmac Blue Circle PORTLAND CEMENTS are available throughout the United Kingdom in bulk tankers.

### TECHNICAL SUPPORT

Further information and specification advice on Blue Circle PORTLAND CEMENTS, and the full Tarmac Cements range, can be obtained from the contacts listed below.

### HEALTH AND SAFETY

Contact between cement powder and body fluids (eg, sweat and eye fluids) may cause irritation, dermatitis or burns. For further information, including control of soluble hexavalent chromium, refer to the appropriate Tarmac Cement Health and Safety Information Sheets.

For more details contact:  
[customerservice@tarmac.com](mailto:customerservice@tarmac.com)

The content of this data sheet is correct at the date of publication. Please check our website: [www.tarmac-bluecircle.co.uk/bulk](http://www.tarmac-bluecircle.co.uk/bulk) for any subsequent changes.

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.