

Technical information

PORTLAND CEMENT
CEM I 52,5R
PRODUCT DATA SHEET



Blue Circle FERROCRETE

Blue Circle Ferrocrete is quality-assured with third-party accreditation and carries the UKCA Mark conforming to BS EN 197-1, and the BSI Kitemark, and is produced under an accredited ISO management system.

APPLICATIONS

Blue Circle Ferrocrete is used in a wide range of construction applications, including but not limited to, ready-mixed concrete, sprayed concrete, precast concrete, concrete products, mortar, grout, render and screed.

Blue Circle Ferrocrete is a high early-strength Portland cement which is suitable for, facilitating early demoulding, handling & use of precast concrete units, use in cold weather, and early formwork striking.

Compared to traditional Portland cements, Blue Circle Ferrocrete, is chemically similar, ground finer to achieve its higher early strength, and sets & hardens at a similar rate.

Blue Circle Ferrocrete is compatible with supplementary cementitious materials, such as GGBS and fly ash, pigments and chemical admixtures. Trial mixes are recommended to determine the optimum mix proportions.

Blue Circle Ferrocrete should always be used in accordance with the relevant product application standard.

CONDITIONS OF USE

Products containing Blue Circle Ferrocrete must be specified and used correctly for best performance.

Selecting the correct cement content and water:cement ratio, will ensure satisfactory placing, thorough compaction, and effective curing.

The final finish quality of products made with Blue Circle Ferrocrete, will depend on the user having the

required skills, and knowledge of the materials and application methods.

Tarmac Cement cannot be held responsible where workmanship has not been carried out in accordance with good practices.

Blue Circle Ferrocrete is manufactured from natural resources, and slight colour variations may occur. Colour variations will also occur from cements produced at different manufacturing locations.

TECHNICAL INFORMATION

Product certification is available from Tarmac Cement's Customer Technical Portal.

PRODUCT SUPPORT

For availability and further technical information, please use the contacts listed below:

www.tarmac.com/products/cement/bulk-cement

Technical Helpdesk

Tel: **0345 812 6232**

E-mail: info-cement@tarmac.com

Customer Service & Sales

Tel: **0345 812 6300**

E-mail: customerservice@tarmac.com

HEALTH & SAFETY

Contact with wet cement, concrete, mortar, or cement powder and body fluids (eg sweat and eye fluids) may cause irritation, dermatitis or severe alkali burns.

Please refer to Tarmac Cement's, Common Cement Material Safety Data Sheet, for further information, including the control of hexavalent chromium.

For more details contact: 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 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 endeavours to ensure that the information given is accurate, but accepts 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.