

Technical information

General Purpose Cement
(CEM II cement)
PRODUCT DATA SHEET

Blue Circle **GENERAL PURPOSE CEMENT**

A CEM II Portland-limestone cement suitable for most general-purpose applications.

Blue Circle General Purpose Cement is a quality assured BS EN 197-1 CEM II cement, based on Portland cement clinker with independent third-party certification and carries CE marking. It is produced using sustainable cement technology.

GENERAL INFORMATION

Blue Circle General Purpose Cement is a general purpose CEM II cement (CEM II/A-L 32,5R) that is suitable for use in concrete, mortars, renders, screeds and grouts. For more specialised structural concrete applications, the use of Procem (CEM I Portland cement) should be considered. For sulfate-resistant applications, Sulfacrete should be considered.

PROPERTIES

- Based on sustainable cement technology
- Grey in colour
- Consistent strength meeting all the conformity criteria in BS EN 197-1
- Compatible with admixtures such as air-entraining agents and workability aids
- Trial mixes are recommended to determine the optimum mix proportions.

AVAILABILITY

Blue Circle General Purpose Cement is available in 25kg paper bags throughout the United Kingdom.

STORAGE

This product should be stored in unopened bags clear of the ground in cool dry conditions and should be stacked in a safe and stable manner. Information on the maximum storage period can be found on the bag.

CONDITIONS OF USE

- Blue Circle General Purpose Cement may be used in the range of traditional nominal mixes as for traditional Portland cement
- Blue Circle General Purpose Cement should not be mixed with additions or other cement types
- To achieve optimum performance in concrete or other products, it is essential that Blue Circle General Purpose Cement is correctly specified and used
- It is not normally necessary to use a mortar plasticiser with Blue Circle General Purpose Cement, but where used a lower dosage than normal is suggested
- As with other cements in building work, there is no substitute for good practice and workmanship. It is essential to use the correct materials, proportion and mix the materials properly, add the correct amount of water, compact, cure and protect as appropriate. When using CEM II cement, it is particularly important to ensure that effective curing is applied
- Do not use when air temperature is below 5°C or greater than 30°C
- The final finish quality of this material will depend upon the operative having the required skills and a familiarity with the material and its application methods
- Tarmac Cement cannot be held responsible where workmanship has not been carried out in accordance with good practice
- Manual handling should comply with The Manual Handling Operations Regulations 1992
- Blue Circle General Purpose Cement is manufactured from natural products, and slight shade variations may occur. Shade variations may also occur in products from different manufacturing centres.

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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.

TECHNICAL SUPPORT

Further information and advice on this product and the full range of Tarmac Cement products can be obtained through the contact listed below.

For more details contact:
customerservice@tarmac.com

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.