



PROFESSIONAL GRADE CEMENT

DATA SHEET

Updated January 2019



Portland-Limestone Cement CEMII\A-LL 32,5R Product Data Sheet

An exceptional cement for professional use, conveniently packed in weatherproof bags.

Professional Grade Cement is a fortified Portland-limestone cement conforming fully to BS EN 197-1 CEMII\A-LL 32,5R.

It is superior to ordinary Portland Cement owing to:

- **Consistent, light colour**
- **Freeze/Thaw Protection**
- **Increased workability**
- **Reduced bleed**

Professional Grade Cement is a quality assured cement with independent third party certification and carries a CE Mark. Professional Grade Cement is available in waterproof, transparent, tear-resistant plastic packaging within the UK.

APPLICATIONS

Professional Grade Cement is for use in concretes, mortars, renders and screeds.
Please refer to BS 8500-1 BS EN 206-1 for guidance on concrete specification.

PROPERTIES

- Consistent strength meeting all the conformity criteria in BS EN 197-1.
- Contains cement performance enhancing additives to give the following benefits compared with ordinary Portland Cement

Lower water demand, virtually eliminated separation of water, cement & aggregate to reduce bleed, a homogenous more cohesive mix, and increased resistance of hardened concrete/mortar to freeze/thaw attack.

Professional Grade Cement is supplied in 25kg bags within the UK.

STORAGE

Professional Grade Cement is a cement-based material and should be handled and stored with care. This product may be stored, unopened, in either indoor or outdoor conditions clear of the ground. If stored correctly and used within 155 days of the packing date shown on the bag, the activity of the reducing agent will be maintained.

CONDITIONS OF USE

Professional Grade Cement should not be mixed with additions or other cement types.

Professional Grade Cement may be used in the range of traditional nominal mixes as for traditional Portland Cement.

To achieve optimum performance from Professional Grade Cement in concrete or other products, it is essential that it is correctly specified and used.

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.

Normal hot and cold weather practice should also be followed.

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. Breedon 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.

Professional Grade Cement is manufactured from natural products, and slight shade variations may occur. All Professional Grade Cement comes from a single source in the Peak District and ensures a consistently light colour.

HEALTH AND SAFETY

Contact between cement powder and body fluids (e.g., sweat and eye fluids) may cause irritation, dermatitis or burns. For further information, including control of soluble hexavalent chromium, refer to the appropriate **Breedon Cement Material Safety Data Sheets**.

TECHNICAL SUPPORT

For additional information on Professional Grade Cement and the full range of Breedon Cement bagged products, please contact us on the details below.