

# Technical information

Hydralime  
**PRODUCT DATA SHEET**



## Blue Circle HYDRALIME

A high-calcium, nonhydraulic, hydrated lime which conforms to the requirements of BS EN 459-1 Building Lime.

### BUILDING APPLICATIONS

Blue Circle Hydralime is a quality-assured BS EN 459-1 CL 90-S hydrated lime, with independent third-party certification and carries CE marking.

Blue Circle Hydralime is used to improve the plasticity, cohesiveness and water retention of Portland cement mortars and renders.

Blue Circle Hydralime may be used with Procem, Mastercrete, General Purpose Cement, Ferrocrete, Snowcrete and Sulfacrete. Note that as Blue Circle Hydralime is nonhydraulic, it is not suitable for use in mortars and renders without a Portland cement.

The maximum benefit of Blue Circle Hydralime can be obtained by its use in a lime putty. This is produced by adding an excess of Blue Circle Hydralime to water in a clean container with constant stirring to form a paste, which is allowed to condition by standing for 24 hours before use. Do not allow to dry out during this time.

Guidance on mortar and render mixes and their suitability for various locations and conditions is given in the following:

- BS EN 1996-1-1: Eurocode 6 - Design of masonry structures
- BRE Digest 362: Building Mortar
- BSI PD 6678: Guide to the specification of masonry mortar
- BS EN 13914-1: Design, preparation and application of external rendering and internal plastering.

A mortar of 1:1:5 to 6 (by vol) Portland cement:Blue Circle Hydralime:sand is equivalent to a 1:5-6 (by vol) Portland cement : sand + plasticiser in plasticity and strength.

### STORAGE

As Blue Circle Hydralime readily absorbs moisture and carbon dioxide it should be stored in a cool, dry, draught-free building. Packs should be stored flat, clear of the ground and away from walls to avoid the possibility of condensation. This product should be stored in unopened bags and should be stacked in a safe and stable manner.

### AVAILABILITY

Blue Circle Hydralime is available in 25kg paper bags throughout the United Kingdom.

### CONDITIONS OF USE

- Blue Circle Hydralime may not be used for general concreting, screeds or grout
- For mortars and renders Blue Circle Hydralime should always be mixed with cement and sand components
- The final finish quality of this material will depend on the operative having the required skills and a familiarity with the material and its application methods
- Normal site practice to the relevant British and European Standards should always apply. 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.

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## HEALTH AND SAFETY

Contact with Blue Circle Hydralime may cause skin irritation, respiratory irritation and serious eye damage. For further information 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](mailto: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.