

EXTRA RAPID



bringing materials to *life*™



HIGH PERFORMANCE CEMENT

A Portland cement containing calcium aluminate to give rapid hardening and setting properties:

- for repair and maintenance where rapid hardening is required, eg, fence posts, setting manholes, repairs to paths and steps.
- suitable for concrete, mortar, rendering and floor screeds.
- takes foot traffic in 4-6 hours and vehicular traffic in 8-12 hours.

Extra Rapid is a rapid setting and hardening Portland based cement. At present there is no appropriate British Standard for this product.

Extra Rapid is a quality assured cement covered by the British Standards Institution Registered Firms Scheme (BS EN ISO 9001: 2000).

Applications

Extra Rapid is for repair and maintenance in building work where rapid setting and rapid hardening properties are beneficial, eg, concrete, mortar, rendering and floor screed repairs

Typical uses are as follows:

- Concrete drives and paths.
- Concrete steps.
- Fixing fence posts, railings and copings.
- Setting manholes.
- Repairing rendering and floor screeds.

Extra Rapid may be used in the range of traditional nominal mixes as for traditional Portland cement. Recommended mixes are given in the Lafarge Cement Builders' Guide, available from the contacts overleaf.

Due to the rapid setting properties of Extra Rapid, it is recommended that it is placed as soon after mixing as possible and that mixing time is no longer than that required for thorough mixing.

Properties

- Portland cement based.
- Contains calcium aluminate to give rapid setting and rapid hardening properties.
- Sets soon after placing and gains strength rapidly to allow normal services to be brought back into operation in a working day.
- Similar final strength to Mastercrete Original.



Availability

Extra Rapid is available in 25kg and 10kg plastic bags throughout the United Kingdom.

Bags are delivered on pallets (1.2 x 1.0m). Weight per pallet 0.25 tonnes (10 kg bags) or 1.0 tonnes (25 kg bags).

Storage

This product should be stored in unopened in cool conditions and should be stacked in a safe and stable manner. This product may be stored in either indoor or outdoor conditions. Information on the maximum storage period can be found on the bag.

Conditions of Use

- The set time of Extra Rapid should not be attempted to be altered by use of admixtures or inclusion of Portland cement.
- Extra Rapid may be used in the range of traditional nominal mixes as for traditional Portland cement.
- To achieve optimum performance from Extra Rapid in concrete or other products, it is essential that it is correctly specified and used.
- Recommended mixes are given in the Lafarge Cement Builders' Guide, available from the contacts below.
- 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.
- Lafarge Cement UK 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.

Technical Support

Further information or specification advice on Extra Rapid and the full range of Lafarge cements can be obtained through the contacts listed.

Health and Safety

Contact between cement powder and body fluids (eg sweat and eye fluids) may cause irritation, dermatitis or burns. Cement is classified as an irritant under the Chemicals (Hazard Information and Packaging) Regulations.

For further information, including control of soluble hexavalent chromium, refer to the Lafarge Cement Health and Safety Information Sheet for Portland cement products.



The information in this datasheet is accurate at the time of printing, but Lafarge Cement UK reserve the right to amend details as part of their product development programme.

Typical properties

Setting time – initial	(minutes)	15 to 30
BS EN 196-1 Mortar compressive strength		
– 4 hour	(N/mm ²)	7 to 13
– 1 day	(N/mm ²)	10 to 19
– 28 day	(N/mm ²)	34 to 46

Further information

Technical helpline

Tel: 0845 812 6232
info@lafargecement.co.uk

Customer services

Tel: 0845 812 6300
customerservice@lafargecement.co.uk

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