

TECHNICAL INFORMATION

EXTRA RAPID

High Performance Cement **Product Data Sheet**

A Portland cement containing calcium aluminate to give rapid hardening 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).

APPLICATIONS

Typical uses are as follows:

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

Extra Rapid may be used in the range of traditional nominal mixes as for traditional Portland cement. Recommended mixes are 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. Do not mix larger quantities than can be used immediately.

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.



AVAILABILITY

Extra Rapid is available in handy-sized 5 kg resealable plastic tubs.

STORAGE

Tubs should be stored indoors and not stacked more than 4 tubs high. Partially-used tubs should be resealed immediately after use. Information on the maximum storage period can be found on the tub.

CONDITIONS OF USE

- No attempt should be made to alter the set time of Extra Rapid 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 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
- Newly-finished concrete should be protected from drying out by covering with polythene sheeting or wet hessian (sacking)
- 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*.

TECHNICAL SUPPORT

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

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.



TABLE OF TYPICAL PROPERTIES

(for guidance only, not to be used for specification purposes)

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

For further information

Technical helpdesk

Tel: 0845 812 6232

E-mail info-cement@tarmac.com

Customer services & sales

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