

MORTARD[®] 79/5

Mortar Retarder

Product Description

MORTARD[®]79/5 is a liquid mortar retarder, designed for use in ready-mixed mortar. It has been specifically developed for cement / lime / sand mortars but is equally effective in cement / sand only mortars.

MORTARD[®]79/5 is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product. It is based on a combination of polyhydroxy monomeric and polymeric materials blended to produce a synergistic retardation effect. MORTARD[®]79/5 meets the requirements of BS 4887 Part 2.

Typical Properties

Appearance	brown liquid
Specific Gravity	1.17 at 20°C
Alkali Content	1.51% as Na ₂ O
Sulphate Content	0.75% as SO ₃
Air Entrainment	Slight
Freezing Point	<-5 °C

Advantages

- Enables controlled set retardation of mortars to be achieved.
- Retardation can be produced up to a period of 1–3 days, if required.
- Production of ready mixed mortar can be manufactured and delivered to sites for use at their convenience. Compatibility with Cements

Compatibility with Cements

MORTARD[®]79/5 can be used with all types of Portland cement. For use with special cements we recommend that you consult GCP Applied Technologies.

Compatibility with other Admixtures

MORTARD[®]79/5 should not be premixed under any circumstances with other admixtures. While some admixtures can be usefully combined within the same mix the performance of this product may well be affected by the presence of other chemicals and we recommend that GCP be contacted for advice in all such circumstances.

Addition Rates

Range: 1000 ml–3000 ml per 100 kg cement

The precise quantity of MORTARD[®]79/5 required is best determined by on site evaluations. This is necessary to ascertain the effect of variables such as cement and fine aggregate types, mixer, length of mixing, ambient temperature, etc.

MORTARD[®]79/5 is supplied ready for use. It should be added to the mortar mixture during the mixing process, at the same time as the water or fine aggregates. It should not be added directly to the cement. No extension of normal mixing time is necessary

Severe overdosing of MORTARD[®]79/5 will result in excess retardation, which will manifest itself in prolonged “greenness” and slow development of intrinsic strength of the mortar. The bonding of the mortar to brick / block work may be adversely affected as the mortar may become desiccated prior to its set

Dispensing

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment. A range of equipment is available, and advice on supply and fitting is available on request.

Health and Safety

For further information see the MORTARD[®]79/5 SDS (Safety Data Sheet) or consult GCP.

Packaging

MORTARD[®]79/5 is supplied in nominal 210 litre, non-returnable containers.

Alternatively, bulk deliveries can be arranged

Storage

MORTARD[®]79/5 should be stored in original containers or suitable closed tanks, preferably out of direct sunlight and protected from extremes of temperature.

Storage Life in Manufacturer’s Drums:

12 months from the date of manufacture

Storage Life in Bulk Storage:

12 months from the date of delivery

Technical Service

The Technical Service Department of GCP is available to assist you in the correct and best use of our products. These resources and advice are at your disposal entirely without obligation. Please contact:

GCP

Emirates Chemicals LLC
Festival Tower, Suite 1701
Dubai Festival City
P.O. Box 5006
Dubai, United Arab Emirates
Tel: +971 4 2329901
Fax: +971 4 2329940
Email: meinfo@grace.com

gcpat.ae | United Arab Emirates customer service: +971 4 5139560

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GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

P. O. Box 5006, Office 2104, 21 Floor, The Exchange Tower, Opp. JW Marriott Marquis Hotel, Business Bay, Dubai – United Arab Emirates

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