

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 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 conforms to the requirements of BS 4887: part 2.

Benefits and 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.

Typical Properties

APPEARANCE	AMBER COLOURED LIQUID
Air Entrainment:	Slight
Chloride Content:	nil as per EN480-10
Chloride Content:	<-5 °C

Addition Rates

Range:	1000 ml – 3000 ml per 100kg cement>
	(1.0% – 3.0% volume by weight 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 mortar mixes 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/blockwork may be adversely affected as the mortar may become dessicated prior to its set.

Compatibility

With cements:

MORTARD®79/5 can be used with all types of Portland Cement, including Sulphate Resisting Cements. For use with special cements we recommend that you consult GCP Applied Technologies.

With other admixtures:

MORTARD®79/5 should not be premixed with other admixtures prior to addition to the mixture. The performance of the material may be affected by the presence of other chemicals and we would recommend that GCP Applied Technologies be consulted in such circumstances.

Dispensing

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

Packaging

MORTARD®79/5 is supplied in 205- litre, non-returnable containers. Alternatively, bulk deliveries can be arranged.

Storage

MORTARD®79/5 should be stored above 0°C and protected from frost. If the product does freeze, it should be carefully thawed before mixing.

Storage life in manufacturer's drums:

12 months from date of manufacture.

Storage life bulk storage:

12 months from date of delivery.

Health and Safety

See MORTARD®79/5 Safety Data Sheet or consult GCP Applied Technologies.

Technical Service

The Technical Service department of GCP Applied Technologies is available to assist you in the correct use of our products.

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