

# CHRYSO®Tard M 12

Set retarding admixture

### DESCRIPTION

**CHRYSO®Tard M 12** is a liquid retarder specifically formulated for ready mixed mortars. It has been developed for cement / lime / sand mortars but is equally effective in cement / sand only mortars.

**CHRYSO®Tard M 12** is formulated based on a combination of polyhydroxy monomeric and polymeric materials blended to produce a synergistic retardation effect. It is manufactured under controlled conditions to give a consistent product.

### BENEFITS

- **CHRYSO®Tard M 12** 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.
- Improves mortar cohesiveness and rheology.

### PACKAGING

- IBC 1000L
- Bulk delivery on request

### FIELDS OF APPLICATION

**CHRYSO®Tard M 12** is recommended for mortar mixes where controlled set retardation is required.

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## INDICATIVE INFORMATION

Product Nature	liquid
Color	Dark brown
Lifetime	12 months
Specific gravity	1,150 ± 0,020
pH	10,00 ± 2,00

Cl<sup>-</sup> ion content: nil to EN 934 and BS 5075.

## METHOD OF USE

- CHRYSO®Tard M 12 is completely soluble in water. It should be added to mortar mixes during the mixing process, at the same time as the water or the aggregates. It should not be added directly to the cement.
- The optimum dosage of CHRYSO®Tard M 12 can only be established after trial tests, considering local conditions affecting the workability of the mix and the mechanical properties required from the concrete.
- Because local job conditions vary, please contact your local Chryso sales representative for further assistance if using outside recommended dosage ranges.
- Between 1.0 and 3.0 liters per 100 kg of cement.
- The dosage rate of CHRYSO®Tard M 12 is dependent on the retardation required and on the characteristics of the mortar mix constituents.

## PRECAUTIONS

### Compatibility:

CHRYSO®Tard M 12 is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, fibers, approved air entraining admixtures.

- Store away from frost. Use CHRYSO®Tard M 12 at a temperature above 0°C.
- Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.
- It should be stored in original containers or suitable closed tanks, preferably out of direct sunlight and protected from extremes of temperature.
- CHRYSO®Tard M 12 is compatible with other CHRYSO admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed prior to addition.

## SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.