

Chryso® Mortard DR

Set retarding admixture

DESCRIPTION

Chryso® Mortard DR is a powdered mortar retarder developed for use in **dry silo and factory-produced mortars**. It enables controlled retardation of cement hydration, allowing mortars to retain workability for extended periods to suit site and production requirements.

The product is specifically formulated for **cement-lime-sand mortars**, but is equally effective in **cement-sand mortars**. Chryso® Mortard DR is manufactured under controlled conditions to ensure consistent performance and conforms to **EN 934-3**.

BENEFITS

- Enables controlled and predictable set retardation
- Allows production of mortars with usable lives of **8 to 36 hours**
- Supports flexible mortar supply and use at site convenience
- Suitable for dry silo mortar production
- Tailors mortar performance to customer requirements
- Consistent performance with good plant control

FIELDS OF APPLICATION

Chryso® Mortard DR is suitable for:

- Dry silo mortars
- Factory-produced mortars
- Cement-lime-sand mortars
- Cement-sand mortars requiring extended workability

Chryso® Mortard DR can be used with:

- Most types of Portland cement
- Mortars containing fly ash
- Mortars containing ground granulated blastfurnace slag (GGBS)

For special cements, consultation with Chryso Technical Services is recommended.

Chryso® Mortard DR should not be premixed with other admixtures.

- Add admixtures separately to the mix
- The presence of other chemical admixtures may affect performance
- Plant trials are recommended where multiple admixtures are used

INDICATIVE INFORMATION

Product Nature	Dry powder
Color	Off-white
Lifetime	12 months
Cl ⁻ ions content	< 0,100 %
Equivalent Content Na ₂ O	≤ 0,30 %
Freezing Point	-2 °C

METHOD OF USE

Dosage :

Typical dosage range:

- **200–1,000 ml per 100 kg of cement**
- Equivalent to **0.20–1.00% by weight of cement**

As a guide for trials:

- **0.40–0.80% by weight of cement** is typically recommended
- Preliminary plant trials should be carried out to determine the optimum dosage as the dosage required will depend on:
- Type and efficiency of mixing equipment
 - Water content
 - Fine aggregate grading, type, and content
 - Cement and lime type and content
 - Temperature

- Add to the dry mortar mix during the mixing process
- Introduce at the same time as the mixing water or fine aggregate
- Do not add directly onto cement
- No extension of normal mortar mixing time is required

PRECAUTIONS

- Store in a cool, dry place
- Protect from rain
- Protect from extremes of temperature
- Keep away from sources of ignition

NORMATIVE AND REGULATORY INFORMATION

Chryso® Mortard DR conforms to:

- **EN 934-3** (Admixtures for Mortars – Set Retarders)

SAFETY

Before use refer to the relevant **Safety Data Sheet (SDS)**.

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

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PACKAGING

- 25 KG
- 1000 kg lined bulk bags

ADDITIONAL INFORMATION

Severe overdosing may result in:

- Excessive retardation
- Prolonged mortar "greenness"
- Slower strength development
- Reduced bond to brickwork or blockwork if the mortar becomes desiccated before setting

Where overdosing is suspected, the mortar should be assessed before use.