

Chryso® Mortair

Air entraining admixture

DESCRIPTION

Chryso® Mortair is a **liquid air-entraining admixture** designed for the production of air-entrained mortars. It is typically used alongside Chryso® Mortard 79/5 mortar retarder to support the efficient manufacture of ready-to-use mortars **compliant with EN 998**.

The product creates a stable and uniform air-void system within the mortar matrix, ensuring consistent air content across a wide dosage range. This improves workability, reduces bleeding, and ensures predictable mortar performance throughout its usable life.

Chryso® Mortair is suitable for factory-produced and ready-to-use mortars where controlled air entrainment and consistent performance are required. It is compatible with a range of cement types, including Portland cement and blends containing fly ash or GGBS, making it a versatile solution for mortar production.

BENEFITS

- Creates a stable and uniform air-void system
- Maintains consistent air content across dosage ranges
- Improves mortar workability and handling
- Reduces bleeding during placement
- Supports predictable mortar performance and usable life
- Suitable for EN 998 compliant ready-to-use mortars
- Less sensitive to variations in aggregates and materials
- High tolerance to dosage variation

FIELDS OF APPLICATION

Chryso® Mortair is suitable for:

- Factory-produced mortars
- Ready-to-use mortars
- Mortars requiring controlled air entrainment and consistent workability

Chryso® Mortair must not be premixed with other admixtures.

- Each admixture must be added separately
- The presence of other chemicals may affect performance

Chryso® Mortair 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.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Dark brown
Lifetime	12 months
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 0,15 %

METHOD OF USE

Dosage :

Typical dosage range:

- 300 – 800 ml per 100 kg of cement**
- Equivalent to **0.30 – 0.80%** by weight of cement

As a guide for trials, an addition rate of **0.40 – 0.60%** by weight of cement is suggested.

When used in mortars containing fly ash, the dosage may typically be **up to double** the stated range.

Preliminary plant trials are essential to confirm optimum dosage.

Chryso® Mortair is supplied ready for use.

- Add during the mixing process at the same time as the **mixing water or fine aggregate**
- Do not add directly onto cement**
- Automatic dispensing equipment is recommended for consistent results

Air content is influenced by:

- Type and efficiency of mixing equipment
- Water content
- Fine aggregate grading, type, and silt content
- Cement and lime type and content
- Mortar temperature

PRECAUTIONS

- Store above **0 °C**
- Protect from frost

If frozen, the product should be thawed slowly and mechanically remixed before use.

NORMATIVE AND REGULATORY INFORMATION

Chryso® Mortair conforms to:

- EN 934-3** (Air-entraining admixtures for mortars)

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Specific gravity	1,038
Freezing Point	-3 °C

PACKAGING

- 15L Container
- Drum 205L
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Overdosing will typically result in:

- A modest increase in air content
- Increased workability

Any suspected overdose should be assessed in the plastic state before mortar use.

SAFETY

For health, safety, and environmental information, 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.