

Chryso® Mortair DPX

Air entraining admixture

DESCRIPTION

Chryso® Mortair DPX is a **powdered air-entraining admixture** developed for the production of air-entrained mortars, particularly for **site-produced dry silo mortars**. It enables the consistent manufacture of ready-to-use mortars complying with **EN 998** requirements.

Chryso® Mortair DPX produces a very stable and uniform air-void system, delivering consistent air content over a wide dosage range. This stability improves workability, reduces bleeding, and ensures predictable mortar performance throughout its usable life. The product conforms to **EN 934-3**.

BENEFITS

- Produces a stable and uniform air-void system
- Maintains constant air content across a wide dosage range
- Facilitates production of EN 998 compliant mortars
- Reduces bleeding and improves workability
- Provides predictable mortar life and site performance
- Less sensitive to variations in fine aggregate grading and silt content
- High dosage tolerance for reliable site production

FIELDS OF APPLICATION

Chryso® Mortair DPX is suitable for:

- Dry silo mortars
 - Factory-produced mortars
 - Ready-to-use mortars requiring controlled air entrainment
 - Mortars produced on site with dry blending systems
- Chryso® Mortair DPX **must not** be premixed with other admixtures.
- Each admixture must be added separately
 - The presence of other chemicals may affect performance

Chryso® Mortair DPX can be used with:

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

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

INDICATIVE INFORMATION

Product Nature	powder
Color	Off-white
Lifetime	12 months
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 2,50 %
Freezing Point	-2 °C

PACKAGING

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.

Where Chryso® Mortair DPX is used in mortars containing fly ash, the dosage may be **up to twice** the stated range. Preliminary plant trials are essential to determine the optimum dosage.

Chryso® Mortair DPX 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 to achieve consistent results

The required dosage depends on:

- Mixing equipment type and efficiency
- Water content
- Fine aggregate grading, type, and silt content
- Cement and lime content and type
- Temperature

PRECAUTIONS

- Store in a cool, dry place
- Protect from rain and extremes of temperature

NORMATIVE AND REGULATORY INFORMATION

Chryso® Mortair DPX conforms to:

- EN 934-3** (Admixtures for mortars – Air-entraining agents)

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

TECHNICAL DATA SHEET



**Chryso
Concrete
Solutions**

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Air entraining admixture

- 25 kg bag
- 1000 kg lined bulk bags

our internet site www.uk.chryso.com.

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.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

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