

Chryso®V-Mar 3

Concrete rheology-modifying admixture

DESCRIPTION

Chryso®V-Mar 3 is a high-performance rheology-modifying admixture designed to improve the handling, stability, and processing characteristics of concrete. It enhances concrete cohesion and helps reduce segregation, bleeding, and settlement whilst maintaining excellent workability.

The product is particularly effective in self-compacting concrete, pumped concrete, piling concrete, lightweight concrete, and underwater concrete applications. Its modified hydroxylated polymer technology provides excellent suspension properties without causing excessive increases in viscosity.

BENEFITS

- Improves concrete cohesion
- Reduces segregation, bleeding, and settlement
- Enhances the rheology of self-compacting concrete
- Increases tolerance to water variations
- Allows the use of difficult or poorly graded aggregates
- Improves concrete pumpability
- Reduces pumping pressures and increases pumping distance
- Supports the production of piling concrete with reduced segregation
- Suitable for lightweight and underwater concrete
- Minimal effect on setting time
- Excellent early-age strength development

FIELDS OF APPLICATION

Chryso®V-Mar 3 is suitable for:

- Self-compacting concrete (SCC)
- Pumped concrete
- Piling concrete
- Lightweight concrete
- Underwater concrete
- Concrete containing difficult or poorly graded aggregates
- Concrete requiring enhanced cohesion and stability

Chryso®V-Mar 3 is suitable for use with:

- All cement types
- Limestone cements
- Concretes containing pulverised fuel ash (PFA)
- Concretes containing ground granulated blastfurnace slag (GGBS)

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

Chryso®V-Mar 3 must **not** be premixed with other admixtures.

The performance of the product may be affected by the presence of other chemicals, and technical advice should be sought where multiple admixtures are used

INDICATIVE INFORMATION

METHOD OF USE

Dosage :

Typical dosage range:

- 100–500 ml per 100 kg of cement
- Equivalent to 0.10–0.50% by weight of cement

Typical trial dosage:

- 150–300 ml per 100 kg of cement

The optimum dosage should be determined through site trials using actual constituent materials and production conditions.

- Add in its supplied form with part of the batching water
- Add after the cementitious materials have been introduced
- Independent automatic dispensing equipment is recommended

PRECAUTIONS

- Store away from extremes of heat and cold
- Keep out of direct sunlight
- Store in shaded conditions

NORMATIVE AND REGULATORY INFORMATION

This product conforms to **EN 934-2:2009+A1:2012**, Table 13 for viscosity modifying admixtures for concrete.

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.

Chryso® V-Mar 3

Concrete rheology-modifying admixture

Product Nature	Liquid
Color	Straw coloured
Lifetime	12 months
Cl ⁻ ions content	< 0,010 %
Equivalent Content Na ₂ O	< 2,00 %

PACKAGING

- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Overdosing may:

- Reduce initial workability in highly workable concrete mixes
- Increase water demand
- Extend setting time
- Particularly affect concretes produced at low temperatures or with sulphate-resisting cement and cement replacement materials

Where overdosing is suspected, concrete should be assessed in the plastic state with particular attention given to consistency and cohesiveness.