

Chryso®Omega 169 EMx

High Range Water Reducing Admixture

DESCRIPTION

Chryso®Omega 169 EMX is a new-generation water-reducing plasticiser incorporating Chryso's innovative **LSS** and **EMX** technologies. Developed using hybrid polymer technology, it is formulated to deliver **consistent fresh and hardened concrete performance** across variable binder compositions and chemistries, with extended workable life.

Chryso®Omega 169 EMX includes components that promote increased strength development, enabling **cement and binder optimisation** for more sustainable and economical concrete solutions. It provides high workability without increasing mix water content and offers a wide dosage range for flexible use across many concrete applications.

BENEFITS

- Enables cement optimisation without loss of strength
- Provides extended consistence (slump) retention
- Delivers consistent performance with challenging binder systems
- Improves concrete rheology and workability
- Maintains controlled, low air content
- Enhances compaction
- Suitable for a wide range of applications
- Wide and versatile dosage range

FIELDS OF APPLICATION

Chryso®Omega 169 EMX is suitable for:

- High-consistence concrete
- Ready-mix concrete
- Reinforced concrete
- Pumped concrete
- Flooring applications

Chryso®Omega 169 EMX is compatible with:

- All types of cement
- Pulverised fuel ash (PFA)
- Ground granulated blastfurnace slag (GGBS)

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

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,50 %
Specific gravity	1,077 ± 0,010

PACKAGING

METHOD OF USE

Dosage :

Typical dosage:

0.3 – 1.5 kg per 100 kg of cement

- Completely miscible in water and must be added to the **mixing water**
- Concrete should be mixed thoroughly until a homogeneous mix is achieved

The optimum dosage should be determined through **trial mixes**, considering local materials, workability requirements, and target mechanical properties.

PRECAUTIONS

- Store away from frost
- If frozen, the product will recover its properties after thawing and thorough agitation

NORMATIVE AND REGULATORY INFORMATION

Chryso®Omega 169 EMX:

- Is a water-reducing plasticiser with **UKCA and CE marking**
- Conforms to **BS EN 934-2, Table 2** (non-harmonised part)

SAFETY

Chryso®Omega 169 EMX is classified as **harmless**.

Normal personal protective equipment is recommended. Refer to the relevant **Safety Data Sheet** for further information.

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

TECHNICAL DATA SHEET

Chryso® Omega 169 EMx

High Range Water Reducing Admixture

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

Chryso
Concrete
Solutions

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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.

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