

Chryso® Omega 151

Water reducing Plasticizing admixture

DESCRIPTION

Chryso®Omega 151 is a new-generation water-reducing plasticiser developed to optimise cement content while achieving a specified slump class. Its flexible dosage range enables use across a wide variety of concrete mixes, including low water/cement ratio concretes or applications requiring increased workability without additional cement.

Chryso®Omega 151 enables the production of high-workability concrete without increasing mix water content. It is manufactured under controlled conditions to ensure consistent performance and conforms to **BS EN 934-2**.

BENEFITS

- Improves concrete compaction
- Increases concrete strength development
- Enhances production efficiency
- Enables cement optimisation without loss of strength
- Suitable for a wide range of applications
- Flexible and versatile dosage range

FIELDS OF APPLICATION

- All cement types
- Chryso®Omega 151 is suitable for:
- High-consistence concrete
 - Ready-mix concrete
 - Reinforced concrete
 - Pumped concrete

Chryso®Omega 151 is compatible with:

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

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

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Cl ⁻ Ions content	< 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,055 ± 0,020

PACKAGING

- Bulk delivery on request
- Container of 1000L

METHOD OF USE

Dosage :

Typical dosage: **0.3 – 1.5 kg per 100 kg of cement**

- Chryso®Omega 151 is 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 established by trial mixes, taking into account local materials, site conditions, required workability, and target mechanical properties.

PRECAUTIONS

- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

NORMATIVE AND REGULATORY INFORMATION

Chryso®Omega 151 is a water-reducing plasticiser with **UKCA and CE marking** and conforms to **BS EN 934-2, Table 2**.

SAFETY

Chryso®Omega 151 is classified as **harmless**.

Normal personal protective equipment is recommended. For further information, refer to the relevant **Safety Data Sheet**.

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

TECHNICAL DATA SHEET



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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. www.chryso.uk

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