

# Chryso® Omega 155

Water reducing Plasticizing admixture

## DESCRIPTION

Chryso®Omega 155 is a new-generation water-reducing plasticiser developed to optimise cement content while achieving a specified slump class. Its high flexibility allows use across a wide dosage range for numerous concrete types, including low water/cement ratio mixes or applications requiring increased workability without additional cement.

Chryso®Omega 155 enables extended consistence retention and the production of high-workability or flowing concretes without increasing mix water content. It is particularly recommended for ready-mix concrete where transport time or warm-weather conditions must be accommodated.

## BENEFITS

- Extended consistence retention
- Improved compaction
- Increased concrete strength development
- Cement optimisation without loss of performance
- Wide range of concrete applications
- Flexible and versatile dosage range

## FIELDS OF APPLICATION

- All cement types
- Chryso®Omega 155 is suitable for:
- Very plastic to fluid concretes
  - Ready-mix concrete
  - Warm-weather concreting
  - Concretes requiring increased workability without added water
- Chryso®Omega 155 is compatible with:
- All types of cement
  - Pulverised fuel ash
  - Ground granulated blastfurnace slag (GGBS)

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

## INDICATIVE INFORMATION

<b>Product Nature</b>	Liquid
<b>Color</b>	Brown
<b>Lifetime</b>	12 months
<b>Cl<sup>-</sup> ions content</b>	≤ 1,000 %
<b>Equivalent Content Na<sub>2</sub>O</b>	< 0,10 %
<b>Specific gravity</b>	1,045 ± 0,010

## PACKAGING

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

## METHOD OF USE

### Dosage :

- Recommended dosage: **0.4 – 1.5 kg per 100 kg of cement**
- Chryso®Omega 155 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 must be established through trial mixes, taking into account local materials, site conditions, required workability, and target mechanical properties.

**Dosage:** 0.4 to 1.5 kg for 100 kg of cement.

**Chryso®Omega 1555** is completely miscible in water and must be added to the mixing water.

Concrete incorporating **Chryso®Omega 155** should be mixed thoroughly until a homogeneous mix has been achieved.

The optimum dosage of **Chryso®Omega 155** can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required for concrete.

## PRECAUTIONS

- Protect from frost.
- Store away from frost
- If the product freezes, it will recover its properties after thawing and thorough mixing

## NORMATIVE AND REGULATORY INFORMATION

Chryso®Omega 155 is a water-reducing plasticiser with **UKCA and CE marking** and conforms to **BS EN 934-2, Table 2**.

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

## TECHNICAL DATA SHEET



Chryso  
Concrete  
Solutions

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## SAFETY

Chryso® Omega 155 is classified as **harmless**.

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

For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).

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