

Chryso® Optima 48

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Optima 48 is a new generation high-range water reducing superplasticiser incorporating Chryso CLEAR Technology. Based on hybrid polymer technology Chryso® Optima 48 has been specifically formulated to provide rapid plasticisation of concrete mixes.

The product is particularly suitable for applications requiring short mixing cycles, including volumetric truck mixers. It can be used effectively in concrete mixes containing clay and silt contaminated aggregates, as well as finely graded aggregates, helping to optimise cement content and enable the use of materials that may otherwise be unsuitable.

Chryso® Optima 48 can be used to produce high workability concrete without increasing mix water content. It is suitable for a wide range of concrete mixes, including low water/cement ratio concretes and applications where an increase in slump class is required without additional cement.

BENEFITS

- Quick adsorption properties
- Rapid plasticising efficiency
- Use of contaminated aggregates
- Cement optimisation without strength loss
- Improved concrete rheology
- Improved compaction
- Increased concrete strengths
- Wide range of applications

FIELDS OF APPLICATION

Types of Application

- Volumetric Concrete Mixers
- Moderately contaminated aggregates
- High fineness gradings
- High consistence concrete
- Ready mix concrete
- Reinforced concrete
- Pumped concrete

Compatibility with Cements

- All types of cement
- Pulverised fuel ash
- Ground granulated blastfurnace slag

METHOD OF USE

Dosage :

0.3 to 1.5 kg for 100 kg of cement.

- The optimum dosage of this product 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.
- This product is completely miscible in water.
- This product must be added to the mixing water.
- Mixing should keep going until a homogenous concrete is obtained.

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.
- Store away from frost.
- Should the product freeze, it will recover its properties after thawing and agitating.

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking. The appropriate declaration can be found on our internet site.
- This product is a high-range water reducing plasticiser with UKCA & CE marking.
- This product conforms to BS EN934-2 Table 3 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

INDICATIVE INFORMATION

Product Nature

Liquid

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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Color	Brown
Lifetime	12 months
Specific gravity	1,075 ± 0,020

PACKAGING

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

SAFETY

Refer to the relevant Safety Data Sheet (SDS) before use.
For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.