

CHRYSO® OPTIMA 100

Water reducing Plasticizing admixture

DESCRIPTION

CHRYSO® Optima 100 is a plasticiser – water reducer which works as a new generation superplasticiser based on modified phosphonate. Its specifically designed molecular structure gives it exceptional properties as a concrete additive.

Using CHRYSO® Optima 100 results extensive workability at all levels of consistency, compared to standard additives. In this respect, CHRYSO® Optima 100 is particularly adapted to the pumping of concrete over long distances.

CHRYSO® Optima 100 is compatible with most types of cement / admixture incompatibility. On account of all these characteristics.

CHRYSO® Optima 100 is a superplasticiser which is particularly adapted for use on construction sites and in the ready mix concrete industry.

FIELDS OF APPLICATION

Types of Application

- All types of cement
- Hot weather concreting
- Pumped concrete
- Extended workability retention
- Concrete for highly reinforced structures
- High performance concrete – very high performance concrete
- Prestressed concrete

INDICATIVE INFORMATION

Product Nature	liquid
Color	Cream
Lifetime	9 months
Halogen Dry Extract	30,00 % ± 1,50
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content NA ₂ O	≤ 0,30 %
Specific gravity	1,060 ± 0,010
pH	3,20 ± 1,00
Freezing Point	-3 °C

PACKAGING

- Container of 1000L
- Bulk delivery on request

METHOD OF USE

Dosage :

0.3 to 5.0 kg for 100 kg of cement.

- A 1.0% dosage of the product of the weight of cement is commonly used.
- This product is completely miscible in water.
- This product must be added to the mixer with the mixing water.
- The product can also be added later on site.
- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.
- Dependant on application this product can be used in conjunction with some other CHRYSO® admixtures.

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.
- Avoid prolonged exposure to high temperatures

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking. The appropriate declaration can be found on our internet site

SAFETY

CHRYSO® Optima 105 is a product classified as "harmless". It is recommended to wear normal protective equipment.

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



CHRYSO® OPTIMA 100

Water reducing Plasticizing admixture