

CHRYSO® Optima 100

New Generation Superplasticizer

DESCRIPTION

CHRYSO®Fluid Optima 100 is a new generation high range water reducing admixture based on Chryso patented technology: CHRYSO®Fluid Optima 100 is formulated specifically to maintain high workability and decrease mix stickiness for superior placeability and finish. CHRYSO®Fluid Optima 100 exclusive technology allows for extreme easiness of use and robustness. CHRYSO®Fluid Optima 100 is manufactured under rigid quality control measures to provide uniform, reliable results.

BENEFITS

- Provides extreme workability retention, but not retardation, depend on the dosage, cementitious content / type and mix design.
- Provides increased slump and flowability without increased water content.
- Improves finish, placement and pumpability of concrete Improves concrete quality by reducing the water-cement ratio for a given degree of workability.
- Proprietary molecule reduces concrete viscosity (stickiness) allowing for easier placement, better finish and enhanced pumpability.
- Reduces cracking and shrinkage.
- Improves concrete chemical resistance and durability.

SPECIFICATIONS

Product Nature	liquid
Color	Colourless to yellow
Lifetime	12 months
Cl ⁻ ions content	≤ 0,010 %
Equivalent Content NA ₂ O	≤ 1,00 %
Specific gravity	1,050 ± 0,200
pH	4,00 ± 2,00

nil to EN 934 and BS 5075 It does not contain any purposely added calcium chloride or other chloride based components

- liquid Density: 1.05 ± 0.02
- pH: 5 ± 2
- Cl⁻ ion content : nil to
- EN 934 and BS 5075 Na₂O equiv.: < 1.0%

Milky, off white

PACKAGING

- IBC 1000L
- 210 L drum

METHOD OF USE

CHRYSO®Fluid Optima 100 is recommended for all concrete mixes where significant water reduction, improved cementitious material performance (more Mpa/Kg), improved finishing and enhanced slump retention characteristics are desirable. CHRYSO®Fluid Optima 100 is especially recommended for use in ready mixed concrete applications where low stickiness and superior workability retention characteristics are required.

Dosage :

0.4 to 5.0 kg for 100 kg of cement

The optimum dosage of CHRYSO®Fluid Optima 100 can only be established after trial tests, taking into account local conditions, materials and specification requirements.

Consumption :

CHRYSO®Fluid Optima 100 can be added at the concrete plant or on the job site. In case of addition in a mixing truck, it is recommended that the concrete be mixed at high speed for 1 minute per cubic yard of concrete (with a minimum of 6 min.) Because local job conditions vary, please contact your local Chryso sales representative for further assistance if using outside recommended dosage ranges.

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.