

# CHRYSO Optima SL 1380

## DESCRIPTION

**CHRYSO®Optima SL 1380** is a new generation high range water reducing admixture based on CHRYSO patented technology. CHRYSO®Optima SL 1380 is formulated specifically to maintain high workability and decrease mix stickiness for superior placeability and finishing.

CHRYSO®Optima SL 1380 is exclusive technology allows for extreme easiness of use and robustness. CHRYSO®Optima SL 1380 is manufactured under rigid quality control measures to provide uniform, reliable results.

## BENEFITS

- CHRYSO®Optima SL 1380 Provides extreme workability retention, but not retardation, depend on the dosage, cementitious content / type and mix design.
- CHRYSO®Optima SL 1380 Provides increased slump and flowability without increased water content.
- CHRYSO®Optima SL 1380 Improves finish, no cold joints due to extended workability properties, reduces cracking and shrinkage.
- Desired workability of the concrete can be achieved with CHRYSO®Optima SL 1380 while reducing the water/cement ratio and keeping the pumpability of the concrete.
- CHRYSO®Optima SL 1380 Improves concrete chemical resistance and durability

## SPECIFICATIONS

<b>Product Nature</b>	liquid
<b>Color</b>	Clear-Yellow
<b>Lifetime</b>	12 months
<b>Cl<sup>-</sup> ions content</b>	≤ 0,010 %
<b>Specific gravity</b>	1,060 ± 0,020
<b>pH</b>	3,00 ± 2,00

Does not contain any purposely added calcium chloride or other chloride based components It will not promote or contribute to corrosion of reinforcing steel in concrete

## PACKAGING

- 200 L drum
- IBC 1000L

## METHOD OF USE

- A 1.0% dosage of the product of the weight of cement is commonly used.
- CHRYSO® Optima SL 1380 can be added to the water before mixing the concrete However, it can be added to the concrete after mixing.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

### Dosage :

0.05 to 3.0 kg for 100 kg of cement.

Dosage rates of CHRYSO® Optima SL 1380 are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

### Consumption :

CHRYSO®Optima SL 1380 is recommended for all concrete mixes where water reduction, improved cementitious material performance (more Mpa/Kg), improved finishing and enhanced slump retention characteristics are desirable

1. All types of cement
2. Ready-mix concrete
3. Jobsites
4. Concrete of humid, plastic or fluid consistency
5. Concrete with long workability retention.
6. Long distance pumpable concrete.
7. Compatible with Micro silica, GGBS and Fly Ash.
8. Hot Weather concrete
9. Extended workability concrete
10. High performance concrete, ultra high-performance concrete
11. White or pale concrete

## PRECAUTIONS

- Do not mix with other products without advice from manufacturers.
- Store in plastic containers, PVC excluded.

## SAFETY

# **CHRYSO Optima SL 1380**

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