

# CHRYSO Optima SL 1100

New Generation Superplasticizer

## DESCRIPTION

CHRYSO®Optima 1000 series is the new breakthrough from CHRYSO. This technology is dedicated for the design of tailor-made superplasticizing solutions for jobsite & ready-mix industry. Thanks to its specifically designed molecular structure, CHRYSO®Optima SL 1100 enables the concrete manufacturer to produce economical, cohesive, low viscous concrete with long workability retention.

CHRYSO®Optima SL 1100 provides concrete with a high workability, while reducing the water/cement ratio. It can be used with 100% Manufactured Sand or combination of River Sand.

## BENEFITS

- Extended long workability retention of the concrete without compromising the setting time.
- Economical solution for Day to Day Concrete Producers.
- Can be used 100% M/Sand or blend of R/Sand in the concrete mix design.
- Ability to work with high fineness content of the fine aggregates due to its water reduction ability.
- The dispersion properties of CHRYSO®Optima SL 1100 allow the user to optimise the cement content when a specified mechanical strength is required.

## SPECIFICATIONS

Product Nature	liquid
Color	Brown
Lifetime	12 months
Cl <sup>-</sup> ions content	≤ 0,010 %
Specific gravity	1,100 ± 0,020
pH	6,00 ± 2,00

nil to EN 934. 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 1100 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 1100 are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

### Consumption :

CHRYSO®Optima SL 1100 is recommended for all concrete mixes where water content, improved cementitious material performance, high workability retention and very high strengths characteristics are desirable.

1. All types of cement
2. Heavy prefabrication
3. Pre-stressed concrete
5. Ready-mix concrete
6. Concrete of humid, plastic or fluid consistency
7. Hot weather concreting
8. High strength concrete with workability retention
9. Compatible with Micro silica, GGBS and Fly Ash.
10. Extended workability concrete
11. White or pale concrete
12. Flowable Concrete
13. Pumpable Concrete

## PRECAUTIONS

- Do not mix with other products without advice from manufacturers.

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- A thin film may appear, which does not alter the properties of the product.
- In case of prolonged storage, this product may slightly settle. Before use, rehomogenise product.
- Store in plastic containers, PVC excluded.

## **SAFETY**

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