

CHRYSO Optima SL 1090

New Generation Superplasticizer

DESCRIPTION

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

CHRYSO®Optima SL 1090 provides concrete with a high workability, while reducing the water/cement ratio. It can be used with 100% River Sand or combination of Manufactured Sand.

BENEFITS

- CHRYSO®Optima SL 1090 allows to obtain desired workability, while reducing the water/cement ratio.
- Economical solution for Day to Day Concrete Producers.
- Can be used with 100% R/Sand or blend of M/Sand in the concrete mix design.
- Can be used with clay contaminated difficult sand in the concrete mix design.
- Suitable for concrete where the low slump range required to maintain.
- The dispersion properties of CHRYSO®Optima SL 1090 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 ⁻ ions content	≤ 0,010 %
Specific gravity	1,108 ± 0,020
pH	5,00 ± 2,00

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

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 1090 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 1090 are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

Consumption :

CHRYSO®Optima SL 1090 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, fibers and approved air entraining admixtures.

CHRYSO®Optima SL 1090 is recommended for all concrete mixes where low water content, improved cementitious material performance (more Mpa/Kg) and high workability retention 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

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manufacturers.

- 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.