

CHRYSO® Optima 187

New Generation Superplasticizer

DESCRIPTION

CHRYSO® Optima 187 is a new generation superplasticizer based on polycarboxylate and modified phosphonates. Its specially designed molecular structure enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention.

CHRYSO® Optima 187 has been developed to maintain fresh concrete workability without compromising the setting time.

BENEFITS

- CHRYSO® Optima 187 is specially designed to manufacture concrete with 100% Manufactured Sand or Quarry Sand.
- CHRYSO® Optima 187 allows concrete with an important workability to be obtained, while reducing the water/cement ratio.
- The dispersion properties of CHRYSO® Optima 187 allow the user to optimize the cement content when a specified mechanical strength is required.
- On account of all these characteristics, CHRYSO® Optima 187 is a superplasticizer which is particularly adapted for used on construction sites and in the ready-mix concrete industry.
- Desired workability of the concrete can be achieved with CHRYSO® Optima 187 while reducing the water/cement ratio and keeping the pumpability of the concrete.

SPECIFICATIONS

Product Nature	liquid
Color	Clear-Light Brown
Lifetime	12 months
Cl ⁻ ions content	≤ 0,010 %
Specific gravity	1,090 ± 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 187 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 :

0.10 to 2.00 kg for 100 kg of cement

Dosage rates of CHRYSO® Optima 187 are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

Consumption :

CHRYSO® Optima 187 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures.

CHRYSO® Optima 187 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. High performance concrete, ultra high performance concrete
4. Pre-stressed concrete
5. Ready-mix concrete
6. Concrete of humid, plastic or fluid consistency
7. Concrete with long workability retention
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

PRECAUTIONS

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

TECHNICAL DATA SHEET

CHRYSO® Optima 187

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Chryso
Concrete
Solutions

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SAFETY

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