

# CHRYSO Omega SL 55

New Generation Superplasticizer

Chryso  
Concrete  
Solutions

14/10/2024

## DESCRIPTION

CHRYSO® Omega SL 55 is a new generation superplasticizer based on polycarboxylate.

Thanks to its specially designed molecular structure, CHRYSO® Omega SL 55 enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention

CHRYSO® Omega SL 55 has been developed to maintain fresh concrete workability without compromising the setting time

## BENEFITS

Enhances the workability retention of concrete in hot climates  
CHRYSO® Omega SL 55 is a versatile product which is compatible with different cement chemistry without compromising fresh hardened concrete properties.

High range water reduction ability.

The dispersion properties of CHRYSO® Omega SL 55 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	1,070 ± 0,020
pH	5,50 ± 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® Omega SL 55 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® Omega SL 55 can be added to the water before mixing the concrete However, it can be added to the concrete after mixing

### Dosage :

0.3 to 2.0 kg for 100 kg of cement.

Dosage rates of CHRYSO®Omega SL 55 depend on desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

### Consumption :

CHRYSO® Omega SL 55 is recommended for all concrete mixes where water reduction, increased cementitious material, high workability retention and high strengths are required.

CHRYSO® Omega SL 55 is especially adapted for any concrete application requiring increased early compressive or flexural strengths

without detriment to ultimate strengths

- 1.All types of cement
- 2.Ready mix concrete with stable workability
- 3.Concrete of humid, plastic or fluid consistency
- 4.Pumped concrete
- 5.Pre stressed concrete
- 6.Hot Weather concrete
- 7.Manufactured crushed sand

## PRECAUTIONS

- Do not mix with other products without advice from manufacturers.
- In case of prolonged storage, this product may slightly settle. Before use, rehomogenise product.
- Store in plastic containers, PVC excluded.

## SAFETY

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. [www.chryso.lk](http://www.chryso.lk)

531/1 Negombo Road, Seeduwa, Sri Lanka Tél.:+94 11 225 1504 Fax:+94 11 225 1508 e-mail:info@chryso.lk

## **CHRYSO Omega SL 55**

New Generation Superplasticizer

**Chryso  
Concrete  
Solutions**

14/10/2024

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