

# CHRYSO®HS 621

## DESCRIPTION

**CHRYSO®HS 621** is a water reducing plasticizer based on modified sulfonated poly naphthalene. It acts on the cohesion of fresh concrete & Workability retention properties. The use of CHRYSO® HS 621 is particularly recommended for Jobsite concrete requiring homogenous concrete without any segregation & bleeding which should have stable workability with time. It also acts as integral water-proofer for concrete.

### Domain of Application:

- All cement types Pumped Concrete
- Regular Reinforced Concrete
- Liquid retaining structures Slump Concrete

## BENEFITS

**CHRYSO®HS 621** produces cohesive concrete for jobsite application normally for grades of concrete between M20 to M40. **CHRYSO®HS 621** will make concrete is denser with less capillary action. Depending on the dosage, workability will be 60 to 120 min and does not affect hydration of cement. **CHRYSO® HS 621** is well compatible with most of the major Cement brands available in India. Reduction in concrete permeability protects against water migration & corrosion of embedded steel inside the concrete esp. important for liquid retaining structures. For the same concrete mix, keeping everything else constant, a definite economy in cement content, can be achieved.

## INDICATIVE INFORMATION

<b>Product Nature</b>	liquid
<b>Color</b>	Brown
<b>Lifetime</b>	12 months
<b>Cl<sup>-</sup> Ions content</b>	≤ 0,200 %
<b>Specific gravity</b>	1,050 ± 0,020
<b>pH</b>	7,00 ± 1,00

## METHOD OF USE

Optimum dosage can only be established after trials considering, the rheological characteristics and the required mechanical performances. For maximum dispersion throughout the mix, **CHRYSO® HS 621** should be added to the mixing water only. Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum 3 minutes at each speed)

### Dosage :

Rate of addition is generally in the range of 0.4 - 2.0% by weight of cementitious material.

### Implementation :

IS: 9103-2018 and ASTM C-494-2010 (Type-D).

## PRECAUTIONS

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from water-based chemicals which is no fire or health hazards.

## SAFETY

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