TECHNICAL DATA SHEET

Chryso
Concrete
Solutions

11/10/2024

CHRYSO® Premia K570

High range water reducing Super plasticizing admixture

DESCRIPTION

CHRYSO® Premia K570 is a new generation superplasticizer based on POLYCARBOXYLIC ETHER. CHRYSO® Premia K570 is particularly recommended for precast concrete to achieve early and later compressive strengths.

All cement types
Self-Consolidating Concrete
Pre-stressed and Precast Concrete
Concrete with moderate to high SCM
Segmental construction
High early strength
Ultra-high-performance concrete

BENEFITS

CHRYSO® Premia K570 enables the concrete manufacturer to produce fresh concrete with dynamic properties that improve filling ability, develops high early mechanical strength, reduces time of demoulding, lifting of segments, and pre-stressing or saves energy by decreasing steam curing temperature. Works even at a very low water / cementitious ratio. CHRYSO® Premia K570 gives hard concrete a good surface finish and will maintain significant retention till placing of the concrete. Viscosity of the concrete can be substantially decreased by using CHRYSO® Premia K570. For any mix, keeping the cement consumption and workability constant, substantial reduction in the amount of mixing water (up to 35%) can be achieved.

INDICATIVE INFORMATION

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Cl^- Ions content	≤ 0,200 %
Specific gravity	1,150 ± 0,020
pH	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®Premia K570 should be added to the mixing water only.

Dosage :
Rate of addition is generally in the range of 0.3-2.0% by weight of cementitious material.

Implementation :
IS: 9103-2018 and ASTM C-494-2017(Type-F).

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 present no fire or health hazards.

SAFETY

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

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