Concrete Works
Construction Chemicals
Private Limited

ISO 9001:2015
CERTIFIED

CWC®ROBOHYBRID PLUS 701

New Generation Super Plasticizing Admixture for SCC

Description

CWC®ROBO HYBRID PLUS 701 is a new generation high range Admixture based on expertise hybrid polymers technology.
To provide,

- Good water reduction at low dosage while higher water reduction can be achieved with increase in dosage.
- High early strength along with good open time can be achieved.
- Better flow with low Thixotropy & good retention.

Form	: Light Amber Liquid
Specific Gravity	: 1.10 ± 0.02
Air entrainment	: ≤ 1.5 % over control mix.
pH	: Min. 6.0
Chloride Content	: Nil, as per BS - 5075 (Part-I)

Indicative characteristics

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific customer requirements and mix design. Please refer to our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered.

Standard Compliance

CWC®ROBO HYBRID PLUS 701 complies with IS9103:1999, BS 5075 Part 3 and with ASTM C494 admixture depending on dosage used.

Advantages:

1. The specially designed molecular structure, CWC®ROBO HYBRID PLUS 701 has great flexibility; thanks to its large scale of dosage, it can be used in wide range of concrete with desired fluidity & workability retention. At equal plasticity, and after reducing mixing water:
2. Concrete compacity is improved.
3. Capillary absorption is reduced.
4. Depending on dosage, a relative increase of mechanical strength is observed at 24 hours & is a great advantage too for high volume GGBS/fly ash mix. For any mix, keeping the cement consumption and workability constant, substantial reduction in the amount of mixing water can be achieved, to produce high performance & high strength concrete. This also enables the concrete manufacturer to produce cohesive, low viscous "SCC concrete" with desired workability retention which helps manufacturer to pump concrete easily in vertical as well as horizontal direction & still be placed conveniently around congested reinforcement. It reduces thixotropy of the mix without risk of segregation. High water reduction minimizes shrinkage or cracking yielding a better surface finish.
5. Our "ROBO" formulation helps users to produce consistent concrete Inspire of variation of sand quality as well as various in cement chemistry.

Domain Of Application

1. All cement types.
2. High performance Self Compacting Concrete.
3. Pumped concrete with desired retention at high ambient temperature.
4. Proactive to fines & moisture variation.
5. Also suitable for High volume GGBS/Fly Ash Mix.
6. High Early Strength
7. Concrete for highly reinforced structures

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DANDEKAR BROTHERS
(A Dandekar Brothers Group Company)

Packaging

230 Kgs Barrel & bulk in 10 KL tanker

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Freezing point: Approximately -2°C.

Precautions

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire or health hazards. Spillages should be washed down immediately with water.

Safety

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.cwcchemicals.com

Additional information

The CWC range of associated products includes high strength cementitious, epoxy grout, polyester resin-based mortar, Resin anchoring systems. Also available is a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.
Separate datasheets are available on these products.