

alpha SUPERCON

High-range water reducing and set retarding super plasticizing concrete admixture.

Description

alpha SUPERCON is Environment friendly New generation superplasticizer admixture, Based on Modified Polycarboxylate Ether Polymer technology. The product has been primarily developed for applications in site-batched and ready mix concrete.

alpha SUPERCON is specially designed to allow considerable reduction of mixing water while maintaining control on extend of workability & water proof to produce high performance concrete.

ADVANTAGES

alpha SUPERCON provides the following benefits to fresh and hardened concrete.

1. High Water reduction capacity, increases ultimate strength & compressive strength.
2. Increases workability and reduction segregation & bleeding.
3. Better resistant to carbonation.
4. Increases durability.
5. Improves density & surface finish
6. Liquid easy to use.
7. Reduce shrinkage & creep.
8. Provide superior load bearing capacity.
9. Provides excellent concrete rheology & handling properties.
10. Mixes requiring 12 to 20% water reductions.

RECOMMENDED USES

alpha SUPERCON is suitable for any concrete structure such as:

1. Foundations, piles and pile caps, column, Beam.
2. Basement retaining wall and floors.



3. Water retaining structures, swimming pool, water tanks, reservoirs, water towers.
4. Tunnels / underpass.
5. Land drainage, manholes.
6. Ready mix, Site mixed concert, & pumped concrete.
7. Waste water treatment and desalination plant.

TECHINAL DATA

Color	: Dark Brown
From	: Liquid
Specific Gravity	: 1.08 ± .03 at 25
Chloride Content	: 0.0 %
PH	: 6.0 – 8.0

Standard Compliance

alpha SUPERCON conforms to ASTM C-494, Type 'B' Type 'D' Type 'G'

Application:

alpha SUPERCON is ready to-use liquid which is dispensed into the concrete together with the mixing water. The plasticizing effect & water reduction are higher if the admixture is added to damp concrete after 50 to 70% of the mixing water has been added. The addition of **alpha SUPERCON** to dry aggregate or cement is not recommended.

Dosage

Desired dosage of **alpha SUPERCON** should be Determined with trial mixes. As a guide a dosage ranges of 300 ml to 600 ml per 50 kg of cement.

SHELF LIFE / STORAGE

alpha SUPERCON can be kept for 12 months from date of manufacture if stored in well protected area away from sunlight, at ambient temperature in dry conditions

PACKAGING

alpha SUPERCON is supplied 5, 10, 20 KG containers & 250 KG drum or bulk delivery.

