

# alpha SUPERCON

High-range water reducing super plasticizing & water proofing concrete admixture.

## DESCRIPTION

**alpha SUPERCON** is Environment friendly New 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, Ultimate strength & increases 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. Excellent concrete quality, superior load bearing capacity.
9. Provides excellent concrete rheology & handing 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	: 1.05-1.08 +- .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' and type 'S'

## 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 liter containers & 220 liter drum or bulk delivery.