

# Alpha WP-01

Low dosages integral Water proofing and water reducing admixture for concrete & mortar.

## Description

**Alpha WP-01** is a hydrophobic pore-blocking ingredient for concrete. It significantly reduces water absorption of concrete.

**Alpha WP-01** increased durability and water tightness.

**Alpha WP-01** is Environment friendly admixture, Based on refine lignosulphonet Polymer technology.

## ADVANTAGES

**WP-01** provides the following benefits to fresh and hardened concrete & mortar:

1. Reduces unit water content
2. increases workability and reduces segregation
3. increases effectiveness of cement
4. increases compressive strength
5. increases density
6. improves impermeability & surface finish
7. Liquid easy to use
8. Reduce shrinkage cracks in plaster.
9. Reduce sulphate attack
10. Reduce efflorescence
11. Low dosage – Economy



## RECOMMENDED USES

**Alpha WP-01** is suitable for any concrete structure & mortar, which requires water tightness. Such as:

1. Basement walls and floors
2. Tunnels / underpass
3. Foundations, piles and pile caps
4. Water retaining structures, swimming pool, water tanks, reservoirs, water towers

5. Land drainage, manholes
6. Reinforced concrete in marine environment subject to tidal and wet / dry cycling
7. Waste water treatment and desalination plant

## TECHINAL DATA

Color	: Dark Brown
Form	: Liquid
Specific Gravity	: 1.10 ± .02 at 25
Salt scaling	: Excellent
Chloride Content	: 0.0 %
PH	: 8.0 – 10.0

## STANDARD COMPLIANCE

**alpha WP-01** conforms to ASTM C-494, Type 'A' and type 'D'

## APPLICATION:

**alpha WP-01** 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 WP-01** to dry aggregate or cement is not recommended.

## DOSAGE

Desired dosage of **Alpha WP-01** should be Determined with trial mixes. As a guide a dosage ranges of 150 ml to 300 ml per 50 kg of cement.

## SHELF LIFE / STORAGE

**Alpha WP-01** 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 WP-01** is supplied 5, 10, 20 KG containers & 250 KG drum or bulk delivery.

