

Teba SH-CONTROL

Reduce drying shrinkage for concrete

DESCRIPTION:

Teba SH-CONTROL is a transparent liquid, based specialized polymers have potential use in bridge decks, critical floor slabs and buildings where cracks, curling, and warping. As concrete dries, water is removed from the capillary pores and meniscus due to surface tension (surface tension also act) on the solid phases and tend to draw the walls of the pore together. As the water meniscus recedes into smaller and smaller pores the surface tension forces increase, causing the concrete to shrink more . The Teba SH-CONTROL reduce the surface tension of the liquid phase, which reduce the forces exerted on the pore walls thereby .

USES:

Teba SH-CONTROL is used for all types of Portland cements in the following areas:

- ❖ In durable concrete.
- ❖ Self-compacting concrete
- ❖ Densely-reinforced concrete structures.
- ❖ Paving and industrial floors.
- ❖ Pore walls, slabs.
- ❖ All concrete requiring fluid consistency.
- ❖ High performance concrete.
- ❖ All applications where requires control cracking.

ADANTAGES:

- ❖ Dray shrinkage reducers
- ❖ Drying shrinkage reduction from 30% to 70%
- ❖ Have negligible effect on slump.
- ❖ Slow bleeding rate.

STANDARD COMPLIANCE:

Teba SH-CONTROL meet the recruitment of ASTM C 494/ C 494M, Type S.

TECHNICAL PROPERTIES:

Appearance	transparent Liquid
Specific gravity	0.99 ± 0.02 Kg/Lit. @ 25°C
Chloride content (BS 5075)	Nil
Air entrainment	No effect

COMBATIBILITY:

COBATIBILITY WITH CEMENT:

Compatible with all types of Portland cements and sulphate resistance and slag cements

COBATIBILITY WITH OTHER ADMIXTURES:

Teba SH-CONTROL can be used with other **TEBA admixtures** in the same concrete mix.

All admixtures should be added to the concrete separately and must not be mixed together prior to addition.

The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.



DOSAGE:

Recommended dose between 0.6% to 1.5% by mass of cement

DISPENSING:

Teba SH-CONTROL liquid should be dispensed directly into the mixing water or added simultaneously into the concrete mixer.

CLEANING:

Spillages of Teba SH-CONTROL can be removed with water.

PACKAGING:

Available in 20 liters. Plastic pails, 210 liters drums and 1000 liters bulks.

STORAGE & SHELF-LIFE:

Approx. 12 months in dry shaded conditions in its original closed bags.

FIRE:

Teba SH-CONTROL is nonflammable.



TEBA OVERSEAS
construction material