

ALPHA CRETE C-60

Crystalline Waterproofing Concrete Admixture

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DESCRIPTION:

ALPHA CRETE C-60 is crystalline water proofing, admixture based on a blend of synthetic polymers and proprietary ingredients formulated to produce a unique "permanently active" waterproof, highly durable & flawable concrete.

USES:

ALPHA CERETE C-60 is a crystalline technology concrete admixture used to a produce permanently active waterproof concrete in:

- ◆ Water retaining structures; water tanks, sewage treatment plants, septic tanks.
- ◆ Water excluding structures; retaining walls, tunnels, elevator pits, dams
- ◆ Below grade structures; piles foundations, basements.
- ◆ Mass concrete.

ADVANTAGES:

- ◆ Permanently active, long-term, waterproof solution.
- ◆ Self seals - upon exposure to moisture / water - static cracks up to 400 microns.
- ◆ Denser concrete, improved water lightness & protection to reinforcement from water-borne salts.
- ◆ Liquid form: easy, lump-free dispensing & dispersion.
- ◆ Improved physical & mechanical properties of concrete.
- ◆ Improved surface finish.
- ◆ Reduced risk of segregation, shrinkage, bleeding & creep
- ◆ Water-based, non-flammable, non-toxic, chloride-free and non-corrosive.
- ◆ Withstands high water pressures (up to 14 bars).
- ◆ Compatible with most types of concrete admixtures.
- ◆ Eliminates need for surface waterproofing.
- ◆ Reduce water contents would be of benefit to reduce Permeability

TECHNICAL DATA:

Appearance	Clear-colourless
Specific gravity	Typically 1.0 - 1.1 ± 0.005 at 25°C
Chloride content	Nil to BS 5075 & BS:EN934-2
Air entrainment	Typically less than 2% additional air is entrained at normal dosages.
Alkali content	Typically less than 5.0 g. Na ₂ O Equivalent / liter of admixture

DOSAGE:

w/c ratio < 0.45:	1.5% by weight of cement
w/c ratio > 0.45:	3% by weight of cement

STANDARDS:

ASTM C494	Type A, B , D, F & G
BS 5075	Part 1
WRC	Used in portable water

PACKAGING:

Supplied in	Drum / IBC Tank
Storage Dry,	Frost free, out of direct sunlight
Shelf life	12 months, when stores as above
Hazard class	No dangerous goods.
Observe	Material Safety datasheet

COMPATIBILITY:

ALPHA CERETE C-60 is compatible with all types of cement complying with international standards. It can be used in combination with the following admixtures and additives

- ◆ Air entraining admixtures
- ◆ Anti freezing admixture
- ◆ Pozzolanz (Micro silica, flyash, GGBFS)
- ◆ Synthetic fibers
- ◆ Alkali silica reaction control admixture
- ◆ Waterproofing admixture