

TECHNICAL DATA SHEET

ADDAGE- TTCI

(Traversing Type Corrosion Inhibitor – Reinforced Concrete Structure)

PRODUCT DESCRIPTION

ADDAGE TTCI is a **traversing-type corrosion inhibitor** specifically engineered for use in reinforced concrete structures. It penetrates the concrete surface and migrates to the reinforced embedded steel concrete, forming a protective layer that helps inhibit the onset and progression of corrosion. This product is water soluble powder utilized for ideal extending the service life of both new and existing concrete infrastructure by targeting chloride-induced and carbonation-related corrosion.

FEATURES

- Deep penetration into concrete to reach embedded steel.
- Forms a molecular barrier on rebar surfaces.
- Does not affect bond strength of new concrete to reinforcement bars.
- Invisible Film Formation - Upon reaching the metal, the inhibitor forms a thin molecular film that blocks moisture, oxygen, and corrosive ions.
- Effective even in the presence of high number of chlorides.
- Penetrates to rebar over a prolonged period and arrests corrosion of rusting steel.

APPLICATION

- Infrastructure projects, Refineries, Metro and Transportation.
- Pile foundations, Raft foundations, Retaining walls, Diaphragm walls, Marine structure, Marine foundations.
- All Reinforced concrete structures exposed to moderate to aggressive corrosion and environmental exposures.

- Bridges, Flyovers, Jetties, Mooring berths, Wet basins, Docks and Structures exposed to coastal/saline atmosphere.
- Sewage plants, Chlorinating plants, Swimming pools, Pulp & Paper industry, Chemical plants, Neutralization plants, Pumping stations.
- Water retaining structures.

STANDARD COMPLIANCE

ASTM G -59, ASTM G 106, ASTM C1582 / C1582M-11

ADVANTAGES

Provides a higher corrosion-free life to the structure

Ensures uniform corrosion protection throughout the concrete matrix.

Bond strength of concrete to reinforcement bars remains unaffected.

DOSAGE

We recommend dosages are 400g per cubic meter of concrete.

STORAGE:

It should be store in cool, dry area away from direct exposure to sunlight.

SHELF LIFE

ADDAGE TTCI – store in original unopened package, it will remain its original performance for 1 year.

PACKING:

ADDAGE TTCI is available in 25 kg bags.

