

Krishna Conchem — Offering corrosion-protection solution

EPCO -KP 200 — Corrosion inhibiting admixture to concrete

EPCO - KP - 200 is a bipolar mixed corrosion inhibitor manufactured by Krishna Conchem Products Pvt Ltd, Mumbai, with 100 percent indigenous inputs.

EPCO - KP-200 is a concrete penetrating type of corrosion inhibitor, which upon addition to concrete gets coated, in monomolecular layer along the reinforcement in concrete. In its presence corrosion vis-à-vis micro cell formation is inhibited. It is effective even in the presence

of high amount of chlorides. Further, it is safe and non deleterious to concrete and humans.

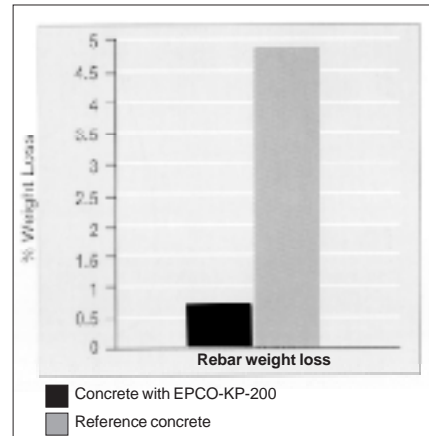
Its addition, does not alter the physical properties like workability, compaction and setting time. On the other hand the properties like compressive and bond strength show improvement. Presently EPCO -KP 200 is being used in a number of projects in chloride containing environments.

Mode of action

EPCO - KP 200 being a bipolar mixed inhibitor, simultaneously affects both anodic and cathodic processes; it contains molecules in which electron density distribution causes the inhibitor to be attracted to both anodic and cathodic sites. By virtue of its vapour pressure and diffusion with the moisture within the concrete, these molecules migrate towards the steel and get deposited in a monomolecular layer along the steel (even in the densest concrete).

Usage

EPCO - KP 200 can be directly added just like other admixtures at the batching plant or into the mixer after dispersing in little



batch water. It can also be added to the transit mixer at the site.

For further details, please contact:

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