

SPECIAL ADMIXTURES

Corrosion Inhibiting Type

TECHNOBUILD PCI200

TECHNOBUILD PCI 200 is a liquid concrete admixture that protects steel reinforcing, carbon steel, galvanized steel and other metals embedded in concrete from corrosion induced by carbonation, chloride and atmospheric attack without changing the set time of most concrete mixes. PCI 200 protects by a proven penetrating corrosion inhibitor function. In addition, it contains a proven contact inhibitor. When incorporated into the concrete mix, Penetrating Corrosion Inhibitors (PCI) seeks out and forms a corrosion inhibiting protective layer on metals. When used with repair mortars and grouts, PCI 200 will migrate to undisturbed (old) concrete providing effective corrosion protection to rebar already in place. It forms a unimolecular protective layer on the surface of steel thereby inhibiting corrosion.

Benefits

- Protects against the harmful effects of corrosion in different types of concrete
- Required dosage is not affected by the chloride concentration
- Does not contain calcium nitrite or chromate
- Non-hazardous and non-toxic
- Safe and environmentally friendly
- Technology is lab and field proven worldwide
- Concentrated for cost effectiveness on all projects
- Protects both anodic and cathodic areas
- Will migrate to adjacent areas to protect metals

Applications

- All reinforced, precast, pre-stressed, post-tensioned or marine concrete structures
- Steel-reinforced concrete bridges, highways and streets exposed to corrosive environments (carbonation, salts and atmospheric attack)
- Parking decks, ramps and garages and concrete dock structures
- All reinforced marine concrete structures
- Concrete piers, piles, pillars, pipes and utility poles
- Restoration and repair of all reinforced concrete commercial and civil engineered structures
- Can be added either to the water or powder on-site for shotcreting applications
- Can be added into a manufacturer's repair mortar formulation to enhance its corrosion protection ability
- Can be used for potable water applications
- RCC structures exposed to corrosive environments
- Chlorinating plants, sewerage systems
- Building facades and balconies