

TECHNICAL DATA

CORU CIT

PRODUCT DESCRIPTION

CORU CIT penetrates the concrete surface and prevents oxygen and moisture from entering the concrete. It prevents electrochemical corrosion between the reinforced concrete iron and chloride ions. It treats by preventing corrosion through the operation of organofunctional silane molecules.



FEATURES

- Prevents corrosion in carbon and galvanized steels.
- It is used both in marine structures and in environments with high humidity.
- It is easy to apply.
- It is effective in concrete that has been severely damaged due to high levels of chloride.
- It is effective in concrete exposed to carbonation.
- It is a vapor stabilizer.
- It dries quickly.
- Prevents the entry of chlorine ions.

AREAS OF USE

- Cast-in-situ reinforced concrete structures, precasts, post-tensioned reinforced concrete structures, glass-reinforced concrete, prestressed or other steel-reinforced concrete structures.
- Car parks, facades, balconies, walkways, piers, bridge decks, beams, columns and steel-reinforced concrete structures.
- Areas around the sea that are exposed to intense sea salt and have high relative humidity.

SURFACE PREPARATION

The concrete surface must be cleaned of all dirt, dust, mold, grease, oil, asphalt, cement grout, paint, coating, curing material and any other foreign matter that prevents penetration. Acceptable cleaning methods include abrasion, sandblasting, water jetting, surface scoring and chemical cleaning. A few examples are powerful vacuum cleaners or road sweepers.

APPLICATION

Coru CIT should be applied several times on repaired areas and all concrete surfaces. The waiting time between coats should be at least 15 minutes (or until dry). In many applications, it is recommended to apply two or three coats with a consumption of 180-230 ml/m² per coat. The exact Coru CIT consumption depends on the current corrosion rate level and the chloride ion level to which the structure is exposed in its surroundings. Coru CIT is applied to the concrete surface with a wet type spray nozzle by means of a low pressure pump. Another widely used alternative method is to apply by roller, brush or pouring (for example by pouring on the crack). Do not add any other chemical to the product. Do not apply to wet and damp surfaces. The application temperature should be between +5°C and +35°C. Consult the Technical Service Department for application conditions under higher or lower temperatures. If it is likely to rain within the first 4 hours after the application of Coru CIT, do not apply in such cases or provide the necessary environment for the application. The application surface must be dry, similar to the first application. Depending on weather conditions, the surface should be cleaned with rain or water within the first 24 to 72 hours and left dry.

STORAGE, PACKAGING, CONSUMPTION

In unopened original packaging, at least 12 months from date of production.

SAFETY AND WARNINGS

- Keep containers away from heat, sparks, flammable flames and other sources of fire.
- Coru CIT containers must be protected between -18°C and 50°C and kept away from rain and running water.