



ADHERE BONDS
The Versatile Construction Chemicals

ADHERE BONDS - RBC

Reinforcement Bar Protection Coating System

ADHERE RBC is an acrylic co-polymer to be used in combination with ordinary Portland cement and fine river sand (sieved sand finer than 300 microns) and surface applied over steel reinforcement for better corrosion protection.

ADVANTAGES:

- § Tested system against the most dangerous enemy of reinforcement concrete - corrosion of steel.
- § Produces an excellent coating against corrosive agents.
- § Increase durability of the structure and reduces life cycle cost.
- § Does not adversely affect the bond between steel and concrete.

FUNCTION:

ADHERE RBC provides excellent protection for steel reinforcement in structures subject to severe environment action. The risk of corrosion is thus reduced, enabling the steel to perform satisfactorily in concrete for the entire design period.

USES:

ADHERE RBC is an anti-corrosive treatment to reinforcement steel as protection against aggressive corrosion.

ADHERE RBC is ideal and essential for pile foundations in marine locations and for structures exposed to industrial and saline environment.

METHOD OF APPLICATION:

MIXING:

The coating materials for 1MT of steel using ADHERE RBC can be prepared as follows.
ADHERE RBC Approx. 15 Kg
Portland cement Approx. 30 Kg
Fine river sand 12 - 15 Kg
Water Required to produce workable consistency

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

SURFACE PREPARATION:

Surface should be clean and free from oil, grease, other coatings, rust and scales.

APPLICATION:

The coating can be applied by using brush or spray system. Either two coats of the slurry can be applied or one coat of slurry followed by plain ADHERE RBC solution (i.e. without adding cement and sand). After application the reinforcement bars can be used in 30-45 minutes time.

POTLIFE:

Once the slurry is made it is to be consumed within 30 minutes to 1 hour, to avoid setting of cement. Hence large quantities of slurry should not be prepared at one instant.

PROPERTIES:

Appearance : Yellowish to off white liquid.
pH : 7 - 9
Specific gravity : 1.05 g/cc

COMPATIBILITY:

Good with all kinds of OPC as well as Sulphate resisting cement. Slight delay in setting with PPC.

PRECAUTIONS:

ADHERE RBC is alkaline in nature. Avoid constant contact with skin. Wash with plenty of water if splashed on to eyes and consult a doctor. ADHERE RBC is non flammable and hence poses no fire hazard.

SHELF LIFE:

12 months from the date of manufacturing in ideal storage conditions.

PACKING:

1, 5, 25, 50 Kg.

Adhere Bonds
Coats Pvt Ltd

