

CWC®CORROBIT BP

Corrosion Inhibiting Admixture

Description

CWC®CORROBIT BP is a Bipolar corrosion inhibiting liquid concrete admixture based on **CWC®CORROBIT BP** Technology for use in reinforced concrete and mortar. It acts as a corrosion inhibitor for the steel reinforcement which will have life expectancy and durability will be substantially increased.

Indicative characteristics

- Form : Light Amber Liquid
- Specific Gravity : 0.99± 0.02
- pH : 10 to 12

ADVANTAGES :

By using **CWC®CORROBIT BP** both the anodic and cathodic reactions of the electrochemical corrosion process are reduced. The product forms a film on the steel surface which delays the onset of corrosion and also reduces the rate of corrosion.

The following advantages can be achieved **CWC®CORROBIT BP** :

- Acting as Corrosion protection for embedded reinforcing steel, especially from chloride attack,
- Protection from the destructive influences of reinforcement corrosion
- It does not have negative influences on the properties of both the fresh and the hardened concrete

CWC®CORROBIT BP is neutral to hydrogen embrittlement of prestressed steel i.e. it neither enhances nor limits hydrogen embrittlement of prestressing steel.

Domains of application

CWC®CORROBIT BP is designed for reinforced concrete particularly at risk of corrosion. It specifically provides protection from chloride induced corrosion.

Typical uses are in:

- Concrete roads
- Bridges
- Tunnels
- Retaining walls
- Industrial plants

Precautions

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire or health hazards.

Method of use

CWC®CORROBIT BP can be mixed with the gauging water or added to the concrete at the same time into the concrete mixer. It may also be added to the concrete in the transit mixer at the point of discharge. In this case, an additional mixing time of at least 1-minute per m Concrete must be observed to achieve uniform consistency. It is not to be mixed with the dry cement.

When using **CWC®CORROBIT BP**, high quality concrete is being produced. General rules of producing good concrete and placing practice must also be observed. Optional curing of the fresh concrete must also be practiced. **CWC®CORROBIT BP** is compatible with most of **CWC** range of plasticizers and super plasticizers. Pre-trials are always recommended. The dosage range of **CWC®CORROBIT BP** is 1 Ltr. per cubic meter of concrete.

** Optimum dosage of **CWC®CORROBIT BP** should be determined by site trials.

** Higher dosage can be used if agreed & allowed by clients/consultants

Standard Guideline Followed:

IS: 9103-2007 and ASTM C-494-2010(Type-D)

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Packaging

- 200 Kgs Barrel

Safety

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemicals.com.

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