

Active Dual Action Corrosion Inhibitor Admixture

Description **Corro Inhibitor SZP** added as an admixture to the concrete, is an active dual action corrosion inhibitor, providing both anodic and cathodic protection to new reinforced concrete structures.

Corro Inhibitor SZP is absorbed onto the reinforcement and forms a protective film. Through this, the onset of corrosion is delayed and the corrosion rate is reduced. Therefore, the life expectancy of the structural member will be substantially increased.

Uses **Corro Inhibitor SZP** is especially suitable for reinforced concrete subject to the risk of corrosion. It protects against chloride and carbonation induced corrosion.

Fields of application:

- * Concrete roads
- * Bridges
- * Tunnels
- * Retaining walls
- * Industrial plants
- * Parking decks in multi storey car parks
- * Marine structures

Advantages **Corro Inhibitor SZP** provides both anodic and cathodic protection to the steel bars. The product forms a protective film on the steel surface which delays the onset of corrosion and reduces the rate of corrosion.

The following advantages can be achieved by using **Corro Inhibitor SZP**:

- * Acts as corrosion protection for embedded reinforcing steel, especially from the influences of chloride effects.
- * Protects concrete from the destructive influences of reinforcement corrosion.
- * Does not have any negative influence on the properties of fresh and hardened concrete.
- * **Corro Inhibitor SZP** is a combination of organic and inorganic inhibitors.

Technical Specification

Product Data **Corro Inhibitor SZP**

Appearance Light Brown Liquid

Specific Gravity 1.06

Packaging 20 kg pails and 200 kg drums

Safety Information Detailed safety information is contained in each material safety data safety sheet, which can be obtained from our sales offices

Storage 18 months from the date of production when stored in original unopened packaging in a cool dry place.

Dosage 12 kg per m³

Dispensing

Corro Inhibitor SZP can be mixed with the gauging water or added at the same time as the gauging water 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 m³ concrete must be observed. Before discharging the mix, the concrete must be visually checked for uniform consistency.

Note/Remarks:

Corro Inhibitor SZP is not to be mixed with dry cement.

Concrete Placing

When using **Corro Inhibitor SZP**, the quality of fresh concrete is not significantly affected (trial mixes are recommended). The general rules of good concrete manufacturing, placing and curing practice must also be observed when producing concrete with **Corro Inhibitor SZP**.

Combinations

Corro Inhibitor SZP may be used together with the following products:

- * Additive Superplasticisers
- * Silica fume based products of the **Cem Micro Fume** types
- * Plasticizer/retarders

Handling Precautions

Wash off any concentrate substances on the skin with plenty of water before it dries. During mixing and application ensure adequate ventilation since the silicone component contains active ingredient which is volatile and may cause eye watering in confined spaces. Avoid generation of airborne dust during mixing. Corro Inhibitor SZP contains corrosive inhibitor and, therefore, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed: -

Avoid contact with the skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children.

The General Term & Conditions

All recommendations for use of our product, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for this intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

The above mentioned details Specified key data are individually checked throughout, guarantee, and included in the certificates of Analysis (CoAs). & Typical key data are spot checked, the value are typical for the product and are indicated for information only. The values are not guaranteed or included in the CoAs.

**LaMaCo System Sdn Bhd**

407, Jalan Perusahaan 6, Taman Bandar Baru Mergong,
05150 Alor Setar, Kedah, Malaysia

Tel : +60-4-771 1111

Fax : +60-4-772 4444

Http : www.lamaco.com

Email : info@lamaco.com