



CREPEX

protective anti-corrosion coating for metal

The high-quality protective coating CREPEX is intended as a primer that prevents both the formation and the spread and spread of corrosion on the metal surface and under the coating film of the topcoat. It can be used in synthetic, epoxy, acrylic, or polyurethane coating systems, as well as with water-based paints. The effectiveness of the coating is based on a chemical reaction, during which the coating layer combines with the treated surface.

Area of application

CREPEX can also be used on non-corroded metal surfaces as a preventive measure, as well as on already corroded surfaces as a corrosion stabilizer and passivator. It is suitable for use in chemical plants, refineries, oil platforms, containers, and steel structures exposed to various atmospheric and industrial conditions. It can also be used in domestic applications, for example on metal structures, fences, gates, or technical equipment. Suitable for all types of metal substrates.

Resistance

Tests carried out by accredited research institutes have confirmed the high resistance of the CREPEX coating system in combination with various types of topcoats, in accordance with ISO 12944, in a highly corrosive environment classified as category C4, with a lifetime of more than 15 years.

Laboratory tests of coating systems using CREPEX have demonstrated excellent resistance to cracking, peeling, and delamination. At the same time, the system's stability under the action of acid solutions and salt solutions was confirmed, while the coating retained its protective properties even during long-term exposure in an aggressive environment.

The results of pull-off tests showed that failure occurred only within the topcoat layer. Thanks to chemical interaction with the substrate during the drying phase, the coating with the base formed a cohesive whole resistant to adhesive failure.

Composition

A water-based dispersion of a styrene-acrylic polymer with additives.

The mixture is not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). The product is non-flammable. In the event of spill during application, it does not pose a risk to soil or groundwater. The product is not subject to ADR regulations. A declaration of conformity has been issued for this product.



Physical and chemical properties

Appearance	milky yellow liquid
Odour	Weak, characteristic (ammoniacal)
pH	8,5 in undiluted state (DIN 53785)
Dry matter content	42–48% by volume (mixture)

Surface preparation

Before applying to a corroded surface, the substrate must be prepared to grade St 2 according to ISO 8501-1. This requires the removal of loose rust, mill scale, and non-adherent coatings by manual cleaning with a steel wire brush, followed by degreasing of the surface. For non-corroded or new surfaces, any contaminants must be removed and the surface degreased.

Application

Apply by brush, roller, dipping, air spray, or airless high-pressure spraying. The substrate and ambient temperature should be at least +5 °C. The relative humidity of the ambient air should not exceed 85 %. Drying time depends on the ambient temperature. This time can be reduced to 20 minutes, for example in direct sunlight at +30 °C or in a drying chamber. Do not apply the coating on a wet, frozen, or contaminated substrate. After CREPEX has dried, a topcoat should be applied.

Coating thickness and coverage

The recommended thickness for a single coat of CREPEX is 20–40 µm (DFT). Theoretical coverage is approximately 21 m²/l at 20 µm thickness and 10.5 m²/l at 40 µm thickness. Actual consumption may vary depending on the shape and complexity of the substrate, the application method used, and working conditions.

Thinning

CREPEX is supplied ready for use. For spray application, it may be diluted with water; however, this may reduce the effectiveness of its anti-corrosion protection.

Maintenance

Clean tools immediately after use with clean water.

Hygiene and occupational safety

When working with the product, ensure adequate ventilation of the work area. Use appropriate personal protective equipment, including safety goggles with side shields and chemically resistant protective gloves. Follow good personal hygiene practices, especially washing hands before breaks and after finishing work, and comply with applicable occupational health and safety regulations. The product must be secured to prevent access by untrained persons. Keep out of reach of children.

First aid

In case of any doubts, consult a physician and provide the safety data sheet. Never give water or other liquids to an unconscious person.

- Inhalation: If breathing difficulties occur after inhalation of vapours or aerosol, move the affected person to fresh air.
- Skin contact: Rinse the skin with lukewarm water or take a shower.
- Eye contact: Rinse the eyes gently with running water for several minutes, keeping the eyelids open.
- Ingestion: Within 5 minutes after ingestion, administer 10–20 crushed tablets of activated charcoal dissolved in water.

Storage

Store the container in an undamaged original package, tightly closed, in a dry and well-ventilated area at a temperature of 10–30 °C. Protect from temperatures below +5 °C. Store in accordance with applicable safety regulations; storage class 12 – non-flammable liquids in non-flammable containers. During storage of opened or unused product, polymerization and deterioration may occur. It is recommended to use the product without unnecessary delay.

Product quality guarantee

TAX HOLDING s.r.o. declares that the product CREPEX is supplied under the stated trade name and its quality complies with the manufacturer's technical specifications valid at the time of production.

This declaration constitutes the sole warranty of TAX HOLDING s.r.o. No other express or implied warranties, including any warranty of suitability of the product for a specific purpose or method of use, are provided.

The buyer is obliged to inspect the product immediately upon delivery. Any defects must be reported in writing without undue delay after their discovery, however no later than one year from delivery of the product to the buyer. In case of failure to comply with this obligation, the right to claim liability for defects expires.



Declaration

TAX HOLDING s.r.o. shall not be liable for indirect, special, incidental, or consequential damages that may arise in connection with the use or application of this product, regardless of the legal basis of such a claim. The data stated in this technical data sheet are of an informative nature and serve as a general recommendation for the use of the product. The stated values are based on the results of laboratory tests and previous practical experience. To the best knowledge of the company, this information is considered reliable; however, it may be continuously updated in connection with further product development or experience gained in practice.

Recommendations regarding the use of the product are provided based on available technical knowledge. The final assessment of the product's suitability for a specific purpose and application conditions is always the responsibility of the user. It is assumed that the buyer or applicator will carry out their own assessment of the use of the product according to specific conditions.

TAX HOLDING s.r.o. has no control over the condition and quality of the substrate, the application method, or other factors that may affect the coating result. For this reason, it shall not be liable for damages, losses, or other consequences arising from improper use of the product or incorrect interpretation of the data stated in this document, unless otherwise agreed in writing. Variations in application conditions, technological procedures, or improper use of the product may result in different outcomes.