Zinc rust converter



Specification

Effectively neutralizes rust and turns it into a stable protective layer. Improves anti-corrosion protection of coatings. Does not corrode rust-affected surfaces. An indispensable tool for motorists. Has high penetrating ability.

Sphere of application

Highly effective product designed for treating rusted metal surfaces before subsequent painting. Due to the presence of active zinc ions in the composition, it allows to provide additional surface protection and extend its service life. When used, a film of iron phosphates is formed, which has strong adhesion to the metal surface and protects the metal from corrosion. For exterior and interior work.

Technical data

Consumption standard of 1 layer	100-120 g/m^2
Density (DSTU ISO 2811-1)	1,12±0,06 g/cm^3
Drying period (23 °C, 50% RH)	At least 2 hours. Drying period increases if the temperature is getting down and relative air humidity is getting higher.
Warranty period	36 months, from the date of manufacturing.
Packaging	0,42 kg; 0,85 kg

Composition

Orthophosphoric acid, zinc salts, functional additives, water.

Application instruction

1 Preliminary preparation

Remove any remnants of the old paint coating, loose and flaking rust, mill scale, dust, dirt and other contaminants from the metal surface. Clean the surface mechanically using a wire brush, scraper or abrasive material.

After cleaning, thoroughly degrease the surface using TM Maxima Dearomatized Solvent or TM Maxima Universal Thinner. Before applying the rust converter, ensure that the surface is clean and dry and that any residual solvent has completely evaporated.

2 Using

Stir the rust converter thoroughly before use. Apply the material in an even coat to the prepared, corrosion-affected metal surface using a brush, roller or sprayer. During application, ensure complete wetting of all corroded areas, including recesses, joints, edges and other hard-to-reach areas. Avoid missed areas, runs and excessive material build-up on individual sections of the surface.

The drying time of the rust converter at a temperature of (23 ± 2) °C and a relative humidity of (50 ± 5)% is at least 2 hours. During this period, the components of the product react with the corrosion products and form a protective layer on the surface. Lower temperatures, higher relative humidity or an increased application rate may extend the drying time.

Once the reaction is complete, rinse the treated surface thoroughly with clean water to remove residual reaction products and any unreacted components of the rust converter. After rinsing, allow the surface to dry for at least 1 hour at a temperature of +20 °C. No water or moisture should remain in joints, recesses or other hard-to-reach areas.

If necessary, particularly where residual corrosion spots remain, repeat the treatment in accordance with the specified application procedure. Protective coating materials may only be applied after the treated surface has been rinsed and allowed to dry completely.

The application rate of the rust converter for a single treatment is 100–120 g/m². Actual consumption may vary depending on the extent of corrosion, the surface profile, the application method and the uniformity of material distribution.

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SAFETY

Flammable! Keep away from fire! Keep in tightly closed original containers at the temperature from -10 °C till +40 °C. Keep out of moisture, direct sunlight, frost and out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). If application is indoors well-arranged ventilation shall be provided. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. If the product suddenly spills, remove it with sand. More detailed information you can read from the safety data sheet. The product has a sanitary-epidemical conclusion of the state expertise.

ENVIRONMENTAL PROTECTION

Do not empty into drains, ponds and in soil ! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of TU U 20.4-33945998-004:2013. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. The applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

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