



Primer EP Rustop

Two-component epoxy primer for metallic surfaces

WHERE TO USE

Primer EP Rustop is used on metallic surfaces to promote bonding before applying epoxy-based or polyurethane-based coatings.

Primer EP Rustop also prevents and impedes the formation of rust and has a high bond strength on a wide range of metallic surfaces, such as galvanized sheet, flashing and various types of downpipes, such as in iron, steel, stainless steel, galvanized steel, aluminium, anodised aluminium, copper, light alloys, etc.

Primer EP Rustop may also be used on vertical metallic surfaces.

Some application examples

- Protection for metallic elements, such as galvanized sheet, downpipes and flashing before applying epoxy or polyurethane coatings.
- Anti-corrosion protection of interior and exterior structures in galvanized sheet and light alloy, including those exposed to marine environments.
- Protection for metallic perimeter flashing on roofs and flat roofs.
- Protection for galvanized sheet, stainless steel and copper guttering for draining off rainwater.
- Protection for metallic sheets used in the civil and industrial building sectors.

TECHNICAL CHARACTERISTICS

Primer EP Rustop is a two-component primer for

protecting metallic surfaces, according to a formula developed in MAPEI's R&D laboratories.

Also, thanks to its content of special zinc phosphate fillers, it offers metallic surfaces on which it is applied protection against corrosion and rust: galvanized sheet and metallic components, such as downpipes and flashing.

Primer EP Rustop also has the capacity to improve the bond of successive epoxy and polyurethane-based coatings.

RECOMMENDATIONS

- Do not apply **Primer EP Rustop** directly on oxidised or rusty surfaces.
- Do not apply **Primer EP Rustop** directly on surfaces dirty with oil or grease.
- Do not apply **Primer EP Rustop** on dirty surfaces or on surfaces with old coatings.
- Do not apply **Primer EP Rustop** on wet or damp surfaces.
- Avoid applying **Primer EP Rustop** if the temperature is lower than +10°C or higher than +30°C.

APPLICATION PROCEDURE

Preparation of the substrate

All surfaces to be treated must be clean, sound, dry and free of all traces of dust, oil, grease or wax. It is very important that surfaces are prepared correctly to guarantee correct application and the best performance of the product.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	white	amber
Consistency:	liquid	liquid
Density (UNI EN ISO 2811-1) (g/cm³):	1.41	0.94
Brookfield viscosity (UNI EN ISO 2555) (mPa·s):	440 (# 2 - 50 rpm)	1,500 (# 2 - 20 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	comp A : comp B = 100 : 30	
Colour of mix:	white	
Consistency of mix:	liquid	
Dry solids content (%):	70	
Density (UNI EN ISO 2811-1) (kg/m³):	1,240	
Viscosity of mix (UNI EN ISO 2555) (mPa·s):	440 (# 3 - 50 rpm)	
Workability time:	15-20 minutes at +20°C	
Surface temperature:	at least +10°C	
Varnishing:	6-8 hours at +20°C	
Dusty dry:	2 hours at +20°C	
FINAL PERFORMANCE		
Final hardening time:	24 hours	

The most suitable preparation method is sand-blasting, which removes all traces of old paint, rust, grease and encrustations from the surface. This type of treatment allows the surface to be brought down to bare metal.

Preparation and application of the product

Primer EP Rustop is a primer composed of two pre-dosed components.

To prepare the product, mix each of the two components for a few minutes and then pour component B into the container of component A.

Mix the two components together with a low-speed electric mixer to thoroughly blend them together (at least 3-4 minutes). Pour the mix into a clean container and mix again briefly.

Apply an even coat of **Primer EP Rustop** by brush, with a roller or with a suitable airless spray gun.

The mix must be applied at a temperature of between +10°C and +30°C. To get the best out of the product, the most suitable application temperature is between +15°C and +20°C.

Cleaning

Tools used to prepare and apply **Primer EP Rustop** must be cleaned with ethanol immediately after use. Once hardened, the product may only be removed mechanically.

CONSUMPTION

0.2 kg/m².

PACKAGING

Component A = 3.85 kg.

Component B = 1.15 kg.

STORAGE

Primer EP Rustop may be stored for up to 12 months in its original packaging in a dry area at a temperature of between +5°C and +20°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Primer EP Rustop components A and B are easily inflammable and we recommend storing them away from heat and sparks, to avoid smoking, to prevent the build up of electrostatic energy and to work in well ventilated areas. They are also irritant for the skin.

Primer EP Rustop component A may cause sensitisation if it comes into contact with the skin to those predisposed and is irritant for eyes.

Primer EP Rustop component B may cause damage to eyes.

We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

Primer EP Rustop component A is also hazardous for aquatic life. Do not dispose of this product in the environment.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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