

Epifanes Rust Remover

Rust transformer based on water repellent polymers is non toxic and non flammable . It stops corrosion, transforms rusted steel into a sound base for painting, promotes and improves the adhesion of the subsequent paintcoat. Epifanes Rust Remover is no substitute for a primer or paint and is only advised to use as a solid base for any type of anti-corrosive primer.
Can be applied on dry and moist (clean and rusted) steel substrates, above and under the waterline.

Type	Electrochemical
Base	Synthetic polymers and high molecular weight tannine acid
Colour	Off white - after reaction with steel blackblue
Density	1.03 kg/dm ³
Solids content	n.a.
Application details	

	Airless spray	Air spray	Brush
Vol.% thinning	not	not	not
Nozzle	not	1.1 mm - 1.3 mm	n.a.
Pressure in bar	not	2 - 3	n.a.

Reactiontime at 20°C. / 65% RAH

Reactiontime	Overcoatable	
3 hours	3 hours min.	48 hours max.

Application

Product is ready for use.
Use a stiff brush for optimum and deep penetration into the rust.
Avoid spillage on existing paintlayers. Never apply paint during the reaction process. Reaction time is approx 3 hours and is characterized by the blackening of steel or rust.
Epifanes Rust Remover does not replace the use of a primer.
It is recommended to apply the first coat of the anti-corrosive primer system immediately after the reaction process has stopped.

Theoretical coverage
Overcoatability

20.00 sqm / lt
Universal overcoatibility with all types of primers and/or paints

Cleaning material

Tool : water
Substrate : water or (alcohol)spirit
Skin : a- 1% solution of sodiumchloride or
b- water and mild soap

Process

Pretreatment of rusted areas with conventional acid containing products - such as phosphoric acid - has only limited advantages. Residues of acids or salts in the pores of the steel may cause osmotic blisters in the paint system.
Epifanes Rust Remover does not contain any of these acids. It neutralizes the corrosionprocess and provides a total passivation of the metal.
Epifanes Rust Remover reacts quickly with rust, bonds the ironoxides and transforms it into a stable organic metal, creating a hard but flexibe layer which is insoluble in water and even water repellent. Epifanes Rust Remover even reacts with clean blasted or mechanical cleaned steel. Unlike most other chemical acid based preparations, flushing with water is not necessary.

Substrate conditions

Apply Epifanes Rust Remover on pure rusted steel surfaces. Remove any oil, grease or other contaminations with a suitable cleaning agent.
Remove loose rust flakes and mill scale with steel brush, sanding belt or dry sandpaper to St2 according to Swedish Standard SIS 05 59 00-1967.

Application conditions
Storage conditions

In industrial and maritime environments rust always contains water soluble salts. In this case the surface should be thoroughly rinsed first with clean water .
Temperatures between 5° and 40°C. Do not apply in full sun.
Store in a dry, cool place at temperatures between 5° and 30°C.
Keep away from frost and direct sunlight. Store