

ArmourX Rust Sealer



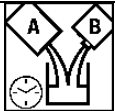
DESCRIPTION

ArmourX Rust sealer is a waterborne rust-conversion coating that combines excellent rust conversion properties with strong adhesion to metals. When applied to a prepared rusted substrate the rust is converted into an anti-corrosive finish with a strong bond to the metal substrate.

Designed as a rust-inhibiting acrylic primer and converter for marine environments, heavy industry, and other rusted or non-ferrous metallic surfaces. For use under dry or damp conditions on steel structures difficult to prepare with traditional standards. Ideal for marine use. ArmourX Rust Sealer is specially formulated for ballast tanks, cofferdams and other voids, superstructures and decks, as well as general maintenance/repair of all rusted surfaces.

Key benefits

- Waterborne
- Low VOC
- No odour
- Multiple topcoat options
- Fast Drying
- Halogen and Zinc Free



MIXING

PRODUCT "READY FOR USE" RFU



PROPERTIES

Product Type:	Acrylic Epoxy Hybrid
Colour:	Off white/ milky. Dried colour varies with substrate, and level of rust
Pot Life:	N/A- approx. 2 years shelf life
Induction Time:	N/A
Application equipment:	Brush, Roller or Spray
Recommended DFT:	40-50 microns
Recommended WFT:	80-100um
Theoretical Coverage:	7-10 sqm per litre
Volume Solids:	49%
Recoat-ability:	Touch dry 180 minutes, subject to application conditions. Allow 24 hours before overcoating.

VOC:	78 gms per litre
Topcoats	It is recommended to use an anticorrosive primer, followed by a good quality topcoat. A wide variety of primers and topcoats can be used such as:
	Primer : Armourcoat 910 WB , or Armourcoat 220 solvent.
	Topcoat : Armourcoat 943 WB, or Uracryl Polyurethane
	Other topcoat options are epoxy, acrylic, alkyd, chlorinated rubber, viny or polyurethane

APPLICATION



Substrates

Can be applied over correctly prepared:

- Rusted steel
- Stainless steel
- Aluminium

Surface Preparation

Remove all loose rust from the substrate by wire brush or other mechanical tool clean. Clean the substrate fully and remove all contaminants including salts. High pressure water blasting is a suitable preparation method. Resene roof and metal wash is an ideal cleaner, as is Resene Ecowash. Ensure all wash residues are removed and surface is dry prior to painting (damp is ok but no water droplets)

Equipment

Airless / Air assisted Spray

Airless	16-18 thou tip with suitable fan width, up to 3000psi
Brush	
Roller	

Note:

- 1) When spraying, use the correct gun set up as recommended by your equipment supplier.
- 2) Application techniques should be adjusted as necessary to achieve the recommended dry film thickness. It is good practice to check this process on a small sample prior taking on a large project.
- 3) If you do not have a controlled environment with good air flow to spray in, it is good practice NOT to continue if relative humidity is above 90% and in particular if temperatures are below 1°C or within 1°C of Dew Point.
- 4) All spray setups are recommended starting points and may need adjustments to suit the equipment and conditions.



DIRECTIONS FOR USE

Mixing: Stir thoroughly, mixing from the bottom of the pail towards the top.

Thinning: Water but should not be necessary

Application Method: Apply by brush, roller or spray. Work into the surface well while wet. Stripe coat all welds, rough spots, sharp edges and corners etc. Ensure enough product is applied to fully cover any profile. No keying is necessary as the product penetrates and reacts chemically with solubilizes ferric ions as well as Fe in the rust layer, forming an incredibly stable insoluble complex compound with Fe.

Dry Time: Touch dry 180 minutes . 12-24 hours to topcoat

No. of Coats: One to two coats.

Clean up Water

Drying and curing

- 1) Ensure air temperature is at least 1deg C and rising at time of application
- 2) Ensure humidity is less than 90% rH and falling
- 3) Ensure no precipitation is forecast if outside for 4 hours after completion of application
- 4) Ideal environmental conditions are 15-20deg C with a breeze of approximately 15km/h, and rH of less than 90%.
- 5) Direct hot sunlight can cause skinning of the painted surface, so protect if possible in these conditions.



HEALTH & SAFETY

ALWAYS READ THE SAFETY DATY SHEET (SDS) PRIOR TO USE.

Observe the precautionary notices displayed on the container.

Transport & Storage

Sizes: 1 and 4 litre

Dangerous Goods

UN: N/A

Hazchem: N/A

Packing Group: N/A

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