



# Amerlock Sealer



## Solvent Free Rust Penetrating Epoxy Sealer

### Product Data/ Application Instructions

- Solventfree sealer and tiecoat
- Penetrates rust and adheres to aged coatings
- Compatible with old coatings
- Low dry film thickness required
- Accepts broad range of topcoats
- Compatible with damp substrates
- Resists high humidity and moisture

#### Typical Uses

Amerlock Sealer is a penetrating sealer for marginally prepared steel and old coatings. Its low viscosity and excellent wetting properties allow it to penetrate rust and discontinuities in existing coatings, which in turn improves adhesion at subsequent topcoats.

Amerlock Sealer has excellent resistance to corrosive environments.

Amerlock Sealer is normally topcoated with Amercoat 235, Amercoat 370, Amercoat 385, Amerlock 400C, Amerlock 2Cor PSX 700.

#### Mixing and Thinning

Amerlock Sealer is a two component product supplied in 20 or 5 l kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together. Add the cure portion to the resin slowly with continued agitation and mix slowly until homogeneous. Thinning is normally not necessary.

#### Physical Data

Finish .....	gloss	
Colour .....	clear	
Components .....	2	
Mixing ratio (by volume)		
resin .....	1 part	
cure .....	1 part	
Curing mechanism .....	chemical reaction between components	
Volume solids .....	100%	
VOC .....	0%	
Dry film thickness .....	40 µm (1.6 mils) per coat	
Number of coats .....	1	
Calculated coverage .....	25 m <sup>2</sup> /l at 40 µm 986 ft <sup>2</sup> /gal at 40 µm	
Allow for application losses, surface irregularities, etc.		
Induction time (at 20°C/68°F)	not required	
Specific gravity .....	approx. 1.1 kg/l (mixed product)	
Flash points (Closed Cup).....	°C	°F
resin .....	>100	>212
cure .....	>100	>212
Amercoat 65 .....	24	75
Amercoat 12 .....	24	75
Thinner .....	Amercoat 65	
Cleaner .....	Amercoat 12	



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## Surface Preparation

Amerlock sealer is designed for less than ideal surface preparation. However, performance will be improved as surface preparation improves. Amerlock Sealer may be used over most properly prepared and tightly adhering coatings. A test patch is recommended for use over existing coatings to ensure compatibility.

**STEEL-** Remove all loose rust, dirt, moisture, grease or other contaminants from surface. Power or hand tool clean ISO 8501-1 St3 or SSPC-SP3. For more severe environments, dry abrasive blast ISO 8501-1 SA1 or SSPC-SP7 or better. Water blasting is also acceptable.

**GALVANIZING-** Remove oil, grease with detergent or emulsion cleaner, treat surface with a zinc treatment like Amercoat 59 or blast lightly with fine abrasive.

**ALUMINIUM-** Remove oil, grease or soap film with neutral detergent or emulsion cleaner, treat with Alodine® 1200, Alumiprep® or equivalent or power tool clean or blast lightly with fine abrasive. **CONCRETE –** Acid etching (ASTM D4260) or abrasive blast new concrete cured a minimum of 28 days.

## Application Equipment

Standard industrial spray equipment, brush or roller.

## Application Data

Substrate ..... Prepared steel or concrete, galvanizing, stainless steel, aluminium or aged coatings

Application methods ..... by airless or conventional spray, brush or roller

Drying and recoat times (hours, °C/°F)

	0/32	10/50	20/68	30/86
Dry to touch .....	28	18	12	8
Dry hard .....	52	36	28	22
To topcoat (minimum).....	38	30	24	18
To topcoat (maximum).....	-----1 month -----			

*Roughen surface if maximum recoat or topcoating time is exceeded*

Potlife (minutes °C/°F).....	10/50	20/68	30/86
	100	60	35

Potlife and drying times are dependent on temperature.



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## Application Procedure

Provide good ventilation. Apply Amerlock sealer by spray, brush or roller. For airless spray use a low pressure and 0.38- 0.53 mm orifice (0.013-0.021 inch) Amerlock Sealer is low in viscosity. It should be applied in one thin, wet coat sufficient to completely cover and penetrate the surface. Do not apply heavy coats, areas where the material has puddle must be brushed out. Clean up application equipment with recommended cleaner. Apply one coat of Amerlock Sealer at 25 to 40 µm; allow overnight cure. An additional coat of Amerlock Sealer may be required for very porous surfaces. After the indicated minimum topcoat time, Amerlock Sealer may be overcoated even if still tacky. Amerlock Sealer is normally topcoated with Amercoat 235, Amercoat 370, Amercoat 385, Amerlock or PSX 700. Consult your Ameron representative for alternatives.

## Caution

Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

1. circulate adequate fresh air continuously during application and drying;
2. use fresh air masks and explosion proof equipment;
3. prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Safety Data Sheet.

## Shipping Data

Packaging	
resin .....	10 l (2.6 gal) in a 20 l can
cure .....	10 l (2.6 gal) in a 10 l can
Shipping weight	
resin .....	approx. 14 kg
cure .....	approx. 12 kg
Shelf life .....	1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41-104°F).



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## Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, use and drying periods.

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

## Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

**Ameron makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.**

Any recommendations or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole descretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

## Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim.

In no event shall Ameron be liable for consequential or incidental damages.

## Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.