

RUSTLOK

Rust Repair and Prevention

- Dries rapidly allowing multiple coats in one day
- Wets, seals and adheres to firmly attached rust
- May be applied at temperatures down to -10°C
- Exceptional adhesion to all ferrous metals also including steel, cast iron, galvanised and stainless steel



THE ULTIMATE IN CORROSION PROTECTION

Pettit Rustlok® is a one package moisture cured polyurethane coating designed for application over any steel or cast-iron surface, including galvanised and stainless steel. Rustlok® Steel Primer contains aluminium flake pigment which forms a dense, water impervious barrier. The result is excellent corrosion protection. In addition, Rustlok's polyurethane chemistry offers tremendous adhesive strength and wetting ability. It is this combination that allows Rustlok® to perform well even when applied over rusted surfaces. Rustlok® is recommended any time an easy-to-apply, effective anti-corrosive barrier coat is desired.

TECHNICAL INFORMATION		
VEHICLE TYPE	Moisture Cured Polyurethane	
FINISH	Matte	
COLOUR	Aluminium Metallic	
COMPONENTS	1	
CURING MECHANISM	Chemical Cure	
SOLIDS BY WEIGHT	56.4 ± 2%	
SOLIDS BY VOLUME	43.3 ± 2%	
COVERAGE	8.4m ² /litre	
VOC	470 grams/litre (max)	
APPLICATION METHOD	Brush, Roller, Airless or Conventional Spray	
NUMBER OF COATS	3 minimum	
WET FILM THICKNESS	100µm	
DRY FILM THICKNESS	50µm	
APPLICATION TEMPERATURE	-10°C min / 32°C max	
THINNER	120 Brushing Thinner	
DRY TIME (minimum time in hours)	Temp	To Recoat
	32°C	½ Hour
	21°C	1½ Hours
	10°C	2 Hours
	0°C	2½ Hours
	-10°C	3 Hours
PACKAGING	1 Quart container (0.95 litres)	
SHELF LIFE	24 Months from date of manufacture	

ASSOCIATED PRODUCTS: Pettit Protect, 120 Brushing Thinner, Tie Coat Primer, Pettit EZ Poxy, EZ Fair, Pettit Antifouling Paint, EZ Prime

Rustlok® is loaded with anti-corrosive pigments and additives. As a result of this, there is a tendency for settling to occur, especially if the paint has been on the shelf for several months. It is necessary to thoroughly mix the paint before using. If possible, shake the can of paint on a mechanical paint shaker. Before using, check the sides and bottom of the can to make sure all the pigment has been mixed in. If mixing is going to be done with a wooden paddle or an electric drill mixer, pour off half of the liquid from the top of the can into another can and then properly mix in any settled pigment; then remix the 2 parts together thoroughly.

Adhere to all application instructions, precautions, conditions and limitations to obtain optimum performance. Refer to individual labels and tech sheets for detailed instructions when using associated products, etc.

Do not thin Rustlok® more than 10% (100ml per litre) or inadequate paint film thickness will occur.

COATING PERFORMANCE, IN GENERAL, IS PROPORTIONAL TO THE DEGREE OF SURFACE PREPARATION. FOLLOW ALL RECOMMENDATIONS VERY CAREFULLY, AVOIDING ANY SHORTCUTS.



APPLICATION SYSTEMS: Mix paint thoroughly to ensure protective additives are evenly dispersed throughout the can. All surfaces must be clean, dry and properly prepared prior to painting. Rustlok® Steel Primer may be applied by brush, roller or spray. A minimum of 3 coats of Rustlok® is recommended to achieve good, long-term corrosion protection. 4 or more coats of Rustlok® will yield excellent long-term results. Rustlok® reacts with ambient moisture. To avoid gelation of the paint, keep containers tightly sealed when not in use. Thinning is not normally required and is not recommended. Follow the recommended dry time and recoat guidelines carefully. Once fully cured, Rustlok® forms an extremely hard surface which is very difficult for other coatings to adhere to. If the dry to recoat time is exceeded, heavy sanding with 80-grit sandpaper is mandatory to achieve proper adhesion of subsequent coats of paint. To eliminate the labour of sanding, plan your work carefully so that each coat of Rustlok® and the first application of topcoat (antifouling or topside enamel) will be done before the previous coat dries hard.

SURFACE PREPARATION: Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance.

GALVANISED STEEL: Galvanised steel must be clean and free of oil or grease before it is painted. Thoroughly clean the surface with 120 Brushing Thinner and plenty of clean rags to ensure complete removal of contaminants. Then apply a minimum of three coats of Rustlok®. Finish with antifouling bottom paint or topside system.

ALUMINIUM: Clean and prep the surface using Bio-Blue Hull Surface Prep and a Scotch-Brite® pad. Thoroughly rinse the surface and allow to dry. Remove any remaining residue by wiping the surface with 120 Thinner. Remove oxidation and etch the surface with medium grit emery cloth; remove sanding residue. Apply one thin "wet" coat of Rustlok®, allow to dry tacky. Proceed with one or two coats of EZ Prime to smooth the surface and provide a uniform base. Sand well and solvent clean with 120 Thinner, then proceed with the first coat off Pettit topside paint.

CLEAN-UP: Use recommended solvent in case of spillage of product and dispose in accordance with local applicable regulations.

STORAGE: Store chemicals indoors, away from direct sunlight, sources of heat and egress pathways. Hazardous chemicals must be stored below eye level. Do not store chemicals on the floor, window ledges, or balconies. Keep containers closed unless you are dispensing a chemical or adding to the container. Label containers and be sure container is compatible with the chemicals. Keep out of reach of children.

MAINTENANCE: No paint can be effective under all conditions of exposure. Man-made pollution and natural occurrences can adversely affect paint performance. Extreme hot and cold water temperatures, silt, dirt, oil, brackish water and even electrolysis can ruin a paint. Therefore, we strongly suggest the coating be checked regularly.

ANTI-FOULING PAINT: All Pettit antifouling bottom paints may be applied directly over Rustlok®. Adhesion is always best when Rustlok® is topcoated when it is still slightly tacky. If Rustlok® is allowed to dry hard, thorough sanding with 80 to 100-grit sandpaper is recommended to ensure adequate adhesion of subsequent coats of paint.

NEW STEEL: Disc sand with 80-grit sandpaper or sandblast to clean bright metal. Wipe clean with 120 Brushing Thinner and immediately apply at least three coats of Rustlok® following the recoat instructions carefully. Finish with antifouling bottom paint or topside system.

RUSTED STEEL*: Clean the surface by wire brushing, wire wheeling, or light sandblasting. All loose rust must be removed. Firmly attached rust does not have to be removed. Wipe the surface clean with 120 Brushing Thinner and apply a minimum of three coats of Rustlok. Finish with epoxy primer, an appropriate antifouling bottom paint or topside system.

STAINLESS STEEL: Follow the "New Steel" system above.

TOPSIDE FINISHES: All Pettit topside finishes are compatible with Rustlok®. If the surface is sufficiently smooth, Pettit enamels may be applied directly over Rustlok®. If the surface needs additional smoothing, use EZ Prime as a base over the Rustlok® followed by the topside product of your choice. Remember to start the finish coats or primers before the Rustlok® dries hard. If the Rustlok® dries hard, thorough sanding with 80 to 100-grit sandpaper is mandatory before topcoating.