

## KEMPERTEC® 1K AQUA RI PRIMER

*Rust Inhibiting Primer*

### PRODUCT DESCRIPTION

KEMPERTEC® 1K AQUA RI Primer is a low VOC, high performance, high bonding, rust inhibiting primer. It dries to a hard, non-yellowing, moisture and corrosion resistant finish.

### COMPOSITION & MATERIALS

KEMPERTEC® 1K AQUA RI Primer formulated from a 100% acrylic elastomeric resin.

### USE

KEMPERTEC® 1K AQUA RI Primer is a high-quality rust inhibitive primer for all types of metal surfaces, including iron and steel, where corrosion is a problem. Provides an excellent adhesion base for KEMPEROL® 1K AQUA coating.

### ORDERING INFORMATION

KEMPERTEC® 1K AQUA RI PRIMER:

**Item#:** 528-10-105      **Size:** 5 GAL pails (18.9L)

### YIELD

Apply at 300 ft<sup>2</sup> / GAL (.163 L / m<sup>2</sup>).

**NOTE:** Coverage may vary depending on the actual condition of the surface. The coverage rates shown are intended as minimum application recommendations. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying total square feet by 1.15.

### LIMITATIONS

Do not apply below 50 °F (10 °C) or when rain is forecast. Surfaces must be completely dry. Applications during periods of low temperatures or high humidity will extend dry time. **KEEP FROM FREEZING.**

### STORAGE

Review Safety Data Sheets before handling, available online at [www.kempersystem.com](http://www.kempersystem.com). Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 50 °F (10 °C) or above 80 °F (27 °C). Approximate shelf life 12 months with proper storage.

### SURFACE PREPARATION

Remove existing rust by wire brushing and power washing. All surfaces must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer to the substrate. Severely rusted panels should be replaced. A good practice is to clean only what can be primed that same day.

### APPLICATION

Mix thoroughly prior to and during application. Apply using a soft brush, roller or spray equipment. Using airless spray equipment, recommended air pressure of 2,700 to 3,000 psi at the reversible spray tip, not a paint tip with the atomizer bar, as these will cause the product to go down uneven and aerate the product. Tip size depends on the speed of application, recommended sizes are 0.015 – 0.021 and hose size 3/8". Make sure the primer dries completely, uncoated primer will pick up

PRODUCT INFORMATION		
Resin Type	100% acrylic	
Solvent	water	
Film Thickness Wet	3.0 - 4.0 mils	
Film Thickness Dry	1-1.5 mils	
Film Thickness To Touch	1-3 hours	
Dry Times (at 77° F 50% Relative Humidity)	3 hours to recoat 7-14 days full cure	
SUSTAINABILITY INFORMATION		
% Bio-based Material	0%	
Recycled content % (post / pre)	0 / 0	
Manufacture location	ILLINOIS	
PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	VALUE
VOC Content	Method 24	< 250 g / L
Weight Solids	ASTM D1644 Method A	44% +/- 2%
Volume Solids	ASTM D2697	36% +/- 2%

dust, dirt and debris. Apply KEMPEROL® 1K AQUA Coating per specification as soon as the primer is dry. Keep the recoat time between coating and primer to a minimum. **DO NOT THIN.**

#### **DISPOSAL**

Cured KEMPERTEC® 1K AQUA RI Primer may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components. KEMPERTEC® 1K AQUA RI Primer must be disposed of in accordance with local, state, and federal regulations. Do not throw uncured primer away.

#### **DISCLAIMER**

**NO WARRANTY, EXPRESS OR IMPLIED, IS MADE IN THIS DOCUMENT. THE PRODUCT IS NOT CLAIMED TO BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE.** User and certified Kemper System America, Inc. (KSA) applicators determine suitability only. See individual KSA product data sheets, SDS sheets, guide specifications and details for complete information regarding the suitability, application, and handling of KSA products.