



Product Data

# RP 870

## A TWO-COMPONENT PRIMER

**DESCRIPTION:** RP 870 is a liquid, two-component primer designed for improving the adhesion of REN:C:O-THANE<sup>®</sup> elastomers to a variety of metal surfaces, including iron, steel, aluminum, galvanized iron and stainless steel. RP 870 Primer is air-drying with a unique eight (8) hour pot life, enabling the user to prepare a full day supply at one mixing.

**APPLICATION:**

- Remove all dirt, scale, rust, oil or grease from metal surface.
- Stir RP 870 base to suspend any settled pigment.
- Add diluent to base at a ratio of 100 parts base to 25 parts diluent (by weight or volume). Packages of RP 870 are pre-weighed and entire container contents can be combined without need for measuring.
- Mix thoroughly. Use RP 870 within 8 hours after mixing.
- Apply an even coat to the clean surface by spray, roller or brush at a rate of 30 sq. ft. (5,000 sq. in.) per pint. Since this is not a solid covering primer, the metal should show through at the proper film thickness (1/2-1 mil). Because of its low viscosity, RP 870 requires no thinner. For large surface areas, use conventional spray equipment.
- Allow RP 870 to air dry at least 30 minutes. Do not heat cure the primer prior to casting the REN:C:O-THANE<sup>®</sup> elastomer. Cast the elastomer within 24 hours of primer application and following the recommended REN:C:O-THANE<sup>®</sup> cure schedule.
- Use denatured alcohol for clean-up of equipment.

**TYPICAL PHYSICAL PROPERTIES:**

Property	ASTM Test Method	Test Values <sup>(1)</sup>	
		Base	Diluent
Color	Visual	Olive	Water clear
Specific Gravity	D-792	0.8-0.9	0.9-1.0
Viscosity, Spl 1 @ 20 rpm	D-2393	150-350 cP	10-30 cP
Pot Life		Use within 8 hours after mixing	
Coverage, wet film		One pint covers approximately 30 sq.ft. (5,000 sq.in) and provides about ½ mil dry thickness at this application rate.	
Open time for primer		For best results, cast urethane elastomer within 24 hours after applying primer.	

<sup>(1)</sup>Tested at 77°F (25°C)

## **STORAGE/HANDLING INFORMATION:**

### **RP 870 Primer Base and RP 870 Primer Diluent**

Store at 60-100°F in a dry place. After use tightly reseal.

Stir well before use. This material will separate.

Exercise reasonable care and caution. Avoid breathing vapor. Store in cool place. The vapor of this product is heavier than air and will collect in low areas such as pits, degreasers, storage tanks, and other confined areas. Do not enter these areas where the vapor of this product is suspected unless special breathing apparatus is used and an observer is present for assistance. Do not pressure product out of vessel or transport container with air.

**SHELF LIFE:** Provided materials are stored under the recommended storage conditions in their original containers, they will remain in useable condition for at least one year from date of shipping.

**PACKAGING:** This product is available in the following package size(s):

**One quart kit (2.2 pounds)**

Please call Customer Service (800-367-8793) for price and availability.

**SAFETY/HANDLING PRECAUTIONS:** Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

### **RP 870 Primer Base and RP 870 Primer Diluent**

**DANGER!** FLAMMABLE. Causes skin and eye irritation.

Keep away from heat, sparks, and flame.  
Avoid contact with eyes, skin, and clothing.  
Keep container closed.  
Use with adequate ventilation.  
Wash thoroughly after handling.

**FIRST AID:** In case of contact with:

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If conscious, give plenty of water to drink. Do not induce vomiting. Call a physician.

**Inhalation:** Remove to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

**Other:** Referral to physician is recommended if there is any question about the seriousness of any injury.

## **PRECAUTIONARY NOTE:**

Please feel welcome to call our Product Information Department or your local Ren representative for instructions before you start your job.

**IMPORTANT:** The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES AND CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential, or indirect damages for alleged negligence, breach of warranty, strict liability, tort, or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

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