

Rectorseal 55912

Rectorseal 55912 PR-1L Purple Low VOC Hi-Etch PVC and CPVC Primer Instruction Manual

1. PRODUCT OVERVIEW

Rectorseal PR-1L is a purple, low VOC, hi-etch primer specifically formulated for all PVC and CPVC pipe applications. This includes potable water, pressure pipe, gas, conduit, sewers, and drain, waste, and vent (DWV) systems. Its distinctive purple color provides a visual check for complete coverage, ensuring proper surface preparation for superior bonding strength. The primer is LEED Compliant, NSF approved for potable water systems, and meets ASTM F 656 specifications.



Image 1.1: A can of Rectorseal 55912 PR-1L Purple Low VOC Hi-Etch PVC and CPVC Primer.

Key Features:

- Hi-etch primer for use on both PVC and CPVC pipe, tubing, and socket-type fittings.
- Purple color ensures easy visual check for complete coverage.
- Fast-acting formula prepares surfaces for superior bonding strength.
- LEED Compliant and NSF approved for potable water systems.
- Meets ASTM F 656 specifications.
- Low VOC (Volatile Organic Compound) formulation.

2. SAFETY INFORMATION

DANGER: Highly Flammable. Vapors may cause flash fire. Harmful or fatal if swallowed. May cause severe eye and skin irritation.

Precautions:

- Use with adequate ventilation. Avoid breathing vapors.

- Wear appropriate personal protective equipment, including safety glasses or goggles and chemical-resistant gloves.
- Keep away from heat, sparks, and open flames. Do not smoke during use.
- Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.
- Keep out of reach of children.

First Aid:

- **Eye Contact:** Flush immediately with plenty of water for at least 15 minutes and get medical attention.
- **Skin Contact:** Wash with soap and water. If irritation persists, seek medical attention.
- **Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen and get medical attention.
- **Ingestion:** Do NOT induce vomiting. Call a physician or poison control center immediately.

3. PREPARATION

Proper preparation is crucial for a strong, leak-free joint. Follow these steps before applying the primer:

1. **Cut Pipe:** Cut the pipe square using a suitable pipe cutter.
2. **Deburr and Chamfer:** Remove all burrs from the inside and outside edges of the pipe. Chamfer the end of the pipe to facilitate insertion into the fitting.
3. **Clean Surfaces:** Ensure all pipe and fitting surfaces are clean, dry, and free from dirt, grease, oil, and moisture. Use a clean, dry cloth to wipe surfaces.
4. **Dry Fit:** Dry fit the pipe and fitting to ensure proper alignment and an interference fit. The pipe should enter the fitting socket easily by 1/3 to 2/3 of the socket depth.

4. APPLICATION INSTRUCTIONS

Apply Rectorseal PR-1L primer and solvent cement according to the following procedure:

1. **Apply Primer to Pipe:** Using a natural bristle brush or dauber, apply a liberal and uniform coat of PR-1L primer to the pipe surface, covering an area equal to the depth of the fitting socket. Ensure the entire surface is wetted and purple in color.
2. **Apply Primer to Fitting:** Immediately apply a liberal and uniform coat of PR-1L primer to the inside of the fitting socket. Ensure complete coverage.
3. **Apply Solvent Cement:** While the primer is still wet (do not allow primer to dry), immediately apply the appropriate PVC or CPVC solvent cement to both the primed pipe end and the primed inside of the fitting socket. Follow the solvent cement manufacturer's instructions for application.
4. **Assemble Joint:** Quickly insert the pipe into the fitting socket, twisting a quarter turn until the pipe bottoms out. Hold the joint together firmly for at least 30 seconds to ensure initial set and prevent the pipe from backing out.
5. **Remove Excess:** Wipe off any excess cement from the joint using a clean cloth.
6. **Cure Time:** Allow adequate cure time before handling or pressure testing the joint. Refer to the solvent cement manufacturer's recommendations for specific cure times, which vary based on pipe size, temperature, and humidity.

5. CLEANUP AND STORAGE

Cleanup:

Clean tools and spills immediately with an appropriate solvent cleaner. Ensure proper ventilation during cleanup.

Storage:

Store Rectorseal PR-1L primer in its original container, tightly closed, in a cool, dry, well-ventilated area. Keep away from direct sunlight, heat sources, sparks, and open flames. Do not store above 110°F (43°C). Ensure the container is sealed when not in use to prevent evaporation and maintain product effectiveness.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Poor Bond Strength	Insufficient primer application or primer/cement applied to dirty/wet surfaces.	Ensure complete and uniform coverage of primer. Thoroughly clean and dry surfaces before application.
Poor Bond Strength	Insufficient cure time for solvent cement.	Allow recommended cure time as specified by the solvent cement manufacturer.
Poor Bond Strength	Primer or cement is expired or contaminated.	Check product expiration dates. Ensure containers are sealed when not in use.
Primer Dries Too Quickly	High ambient temperature or low humidity.	Work in a cooler environment if possible. Apply primer and cement quickly.
Primer Dries Too Quickly	Container left open.	Keep container tightly closed when not in use.

7. SPECIFICATIONS

Feature	Detail
Brand	Rectorseal
Model Number	55912
Product Name	PR-1L Purple Low VOC Hi-Etch PVC and CPVC Primer
Color	Purple
Finish Type	Matte
Size	1/2 Pint (approx. 0.236 Liters)
Special Features	Low VOC, Hi-Etch
Specific Uses	Plumbing and related systems (potable water, pressure pipe, gas, conduit, sewers, DWV)
Surface Recommendation	PVC, CPVC
Water Resistance Level	Water Resistant
Certifications	LEED Compliant, NSF Approved for Potable Water Systems, Meets ASTM F 656
UPC	021449559126

Feature	Detail
Item Weight	8 ounces
Product Dimensions	17 x 12 x 5 inches (packaging dimensions)

8. WARRANTY AND SUPPORT

Rectorseal products are manufactured to high-quality standards. For specific warranty information or technical support, please contact Rectorseal directly or visit their official website. You can also find more information and browse other products at the [Rectorseal Brand Store](#).