

# PolySeal Sealant



**ACR® PolySeal Sealant** is a high-performance sealant and adhesive which adheres to a wide variety of substrates including PVC, vinyl, concrete, aluminum, EPDM rubber, painted and unpainted, metals, glass, marble, masonry and brick, wood, and many plastics. It can be used in a wide variety of roofing, window, door, siding, trim, metal and general construction applications. ACR PolySeal Sealant may be applied to damp surfaces and even in temperatures as low as 30°F (-1°C).

## TYPICAL APPLICATIONS

- Dormers
- Siding Joints
- Concrete Cracks
- Wall Flashings
- Control Joints
- Window & Doors
- Roofing
- Foundations
- Columns
- Masonry Repair

## PRODUCT CHARACTERISTICS

Color: Gray, White  
VOC (calculated): 19 grams/liter  
Mix Ratio: Single Component

## PRODUCT FEATURES

- Paintable, non-yellowing formulation
- Remains permanently flexible
- Meets ASTM C920
- AAMA Certified
- Fast cure and limits dirt pickup
- Easily applied, even in cold weather
- Can be applied to damp and wet substrates
- Excellent ultraviolet resistance

## PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Durometer	Shore A	25-35
Elongation Peak		500%
Elongation		450%
Tensile Strength		225 psi
Lap Shear		275 psi
Joint Movement Capability		Excellent
UV Rating	ASTM-G26	Pass

## APPLICATION

ACR PolySeal Sealant must be applied to a clean, dry, structurally sound and dust-free surface. If the surface is not clean, then the use of one of the following Alchemco Clean & Repair (ACR) products, or a shot blast system, may be required for prepping the surface for warranted applications. Chemical cleaning may require multiple applications and the use of different products to achieve complete cleaning. Certain types of cleaning equipment may improve performance and speed of application. When applying chemical cleaners, contact the Technical Department for a list of approved equipment and cleaning methods.

- ACR Concrete & Masonry Cleaner
- ACR Emulsifying Cleaner
- ACR Paint & Stain Remover
- ACR Concrete & Masonry Etch
- ACR Rust Converter & Inhibitor

Contact the Technical Department for help and directions for which cleaning product will provide the best result for a clean surface.

Do not use Xylol or MEK to clean the surface as this will keep the ACR PolySeal Sealant from adhering to the surface. Contamination from curing agents and form release agents should be avoided.

## Application Equipment

10 oz hand-powered caulking gun with high compression capabilities. Keep product warm prior to application to decrease the difficulty of application.

## Application Conditions

Application Temperature 30°F (-1°C) to 150°F (65°C).  
Service Temperature -75°F (-59°C) to 220°F (104°C).

## COVERAGE RATES

JOINT SIZE	LINEAR FEET
1/8" x 1/8"	97
1/4" x 1/4"	25

## CURING PROPERTIES

Tack Free Time 1 hour @ 77° F (25°C)  
Skin Over Time <30 minutes @ 77°F (25°C)

## CLEAN UP INSTRUCTIONS

Remove material from tools before it cures by scraping and/or using mineral spirits and a dry cloth or paper towel. Cured material may be removed by cutting with a sharp tool.

## PACKAGING

ACR PolySeal Sealant is supplied in the following sizes;  
 10.3 oz caulking tube - 12 per case  
 3 gallon bulk

## SHELF LIFE & STORAGE

Containers should be sealed and kept in a cool dry location. Avoid prolonged exposure to direct sunlight. If properly maintained this product has a shelf life of one (1) year.

## WARRANTY & SYSTEMS

The following warranties require the use of **ACR PolySeal Sealant** and are only available when the full system is applied by a *TechCrete Certified Applicator*;

- New Construction: TechCrete **DIAMOND 30-Year Limited Liability Material & Labor Warranty.**
- New & Existing Construction: TechCrete **EMERALD 15-Year Limited Liability Material & Labor Warranty.**

The following warranties are available when using **ACR PolySeal Sealant**;

- New & Existing Construction: **TechCrete 20-Year Limited Liability Material Warranty.** This warranty requires the project to be registered.
- New & Existing Construction: **TechCrete 2-Year Limited Liability Material Warranty.**

For additional information about the Alchemco system specifications or available warranties, either contact your local Alchemco distributor or Alchemco's Technical Department at [info@alchemco.com](mailto:info@alchemco.com) or call 800-610-2895.

## WARNINGS



**WARNING: Causes serious eye and skin irritation. Causes damage to organs through prolonged or repeated exposure. May cause allergic skin reaction and respiratory irritation.** Wear protective gloves, face protection, and protective clothing. Avoid breathing dust. Use outside or in a well-ventilated area. Wash hands thoroughly after handling.

**IF IN EYES:** Immediately flush with water for at least 20 minutes. Remove contact lenses if present. If irritation persists, seek medical attention.

**IF INHALED:** Remove person to fresh air. If not breathing, provide artificial respiration or oxygen by trained personnel. Get medical attention.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and wash thoroughly before reuse.

**IF INGESTED:** Wash mouth with water. Remove victim to fresh air. Give small quantities of water to drink. Do not induce vomiting.

Store locked up. Dispose of contents in accordance with all local, regional, national, and international regulations. Use in a well ventilated area.

## DANGER! TOXIC IF SWALLOWED

**IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Do not induce vomiting.**

## KEEP OUT OF REACH OF CHILDREN

See Safety Data Sheet for further details regarding safe use of this product. Alchemco, 3532 Mayland Court, Henrico, VA 23233. 800-610-2895



### WARRANTY DISCLAIMER

Because of conditions of use which may be beyond our control, Alchemco shall not be held responsible in any manner for any personal injury or property loss resulting to the buyer or any other person from handling, storage, or use of this material not in accordance with directions. The buyer and/or user assumes all risk and liability resulting from improper handling or usage. There is no warranty expressed or implied of any kind, except as supplied in writing.