

**ACR<sup>®</sup> PU24 Elastomeric Sealant** is a one-part low modulus high performance polyurethane sealant, which cures on absorption of atmospheric moisture to form a firm and flexible rubber watertight seal for moderate cracks and control joints. ACR PU24 Elastomeric Sealant can be used in both horizontal and vertical applications.

## KEY BENEFITS

- Highly resilient with excellent recovery
- Provides permanent & uniform watertight seal
- Excellent adhesion to most substrates
- Weather resistant
- Non-biodegradable & Non-toxic once cured
- East to apply, no mixing required
- Over painting can be done with dispersion based paint (acrylic, vinyl)

## PHYSICAL PROPERTIES

Color	Gray
Density (g/cc)	1.3±0.05
Viscosity	Thixotropic paste
Shrinkage	<5
Butt Joints	±25
Lap Joints	±50
Shore A Hardness	20-35
Adhesion to Concrete (N)	>25
Elongation (%)	>250
Chemical Resistance	pH 2.5 to 11.5, sea water
Skinning time @ 25°C & 50% RH (hrs)	24
Full cure @ 250C & 50% RH (days)	7
Application Temperature	+10°C to + 40°C
Service Temperature	-40°C to + 80°C

## APPLICATION

### SURFACE PREPARATION

Ensure all surfaces and joints are clean and free from dust and oil that may effect the adhesion. A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. If product is to be applied on glazed surface like ceramic or terrazzo tiles or porcelain enamel joint surfaces, the glaze should be removed by abrading with sandpaper or wire brush.

Fill any gaps, expansion joints, etc., with a bond breaking backing rod inserted into all moving joints to avoid a three-sided adhesion.

### APPLYING PRODUCT

1. Apply ACR PU24 Elastomeric Sealant by extruding the sealant into the joint firmly by maintaining an even pressure on the trigger of the gun.
2. On vertical joints, sealant extrusion shall start from the bottom of the joint and continue to the top.
3. Once the sealant has been installed, a suitable rounded tool or caulking knife should be used to achieve a smooth glass profile and to ensure both sides of the application are sealed to the substrate.

### JOINT DESIGN

The width of the joint should be a minimum of 4 times the anticipated movement of the joint. Joints with cyclic movement should have a width to depth ratio of 2:1 for butt joints and 1:1 for static and lap joints. The joint depth shall not exceed the width.

### CLEAN UP

Remove all excess sealant with a scraper. Any spillage can be cleaned using xylene or other approved solvent. Clean all tools and equipment immediately after tooling. Hardened materials can only be removed mechanically.



# TECHNICAL DATA SHEET

**NOTE:** Any Alchemco system products should only be applied when the surface temperature is 50°F (10°C) and rising or 100°F (38°C) and falling. Temperature should be measured with a infrared hand held thermometer.



## APPLICATION RATE & PACKAGING

Coverage rate: 16 -18 lineal feet / sausage tube  
5 - 6 lineal meters / sausage tube

Packaging: 22 oz / 591ml sausage tubes / 12 per box

**NOTE:** The coverage rate is based upon an average application. In many cases the coverage may be slightly lower due to the size of the crack.

## SYSTEM COMPATIBILITY

This product is required to be used in the following TechCrete 2500 Waterproofing Systems where a Material & Labor Warranty is to be issued;

- Concrete
- CMU Masonry
- Brick Masonry
- Concrete Planters
- Water Features
- Vegetative Roofs

## SHELF LIFE & STORAGE

Store in a cool, dry place and keep away from all sources of heat and sunlight. The shelf life is up to 24 months if stored in unopened containers and as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life. Please adhere to the same storage advisories when product is being stored on the project site.

## WARNINGS



### DANGER!

Wash hands, face and any exposed skin thoroughly after handling. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wear appropriate eye, skin and breathing protection when using this product. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### KEEP OUT OF REACH OF CHILDREN!

**IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.**

See Safety Data Sheet for further details regarding safe use of this product. Safety Data Sheets for any Alchemco product may be obtained by contacting:

**Alchemco, 3532 Mayland Court, Henrico, VA 23233. 800-610-2895 or emailing [technical@alchemco.com](mailto:technical@alchemco.com) or calling: CHEMTREC 800-424-9300 (US) 703-741-5970 (International).**



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