

CR™ LIQUID MEMBRANE

Chemical Resistant Two-Component Polysulfide Liquid Membrane

MANUFACTURER

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PRODUCT DESCRIPTION

CR™ Liquid Membrane (Chemical Resistant Liquid Membrane) is a high performance, high polysulfide polymer content, chemical resistant flexible liquid membrane used in a variety of applications in conjunction with Polyguard Chemical Resistant Waterproofing System.

Basic Uses

- Is suited to be used with Polyguard Chemical Resistant Waterproofing Membranes for several different types of detailing applications.
- May be used as a fillet at the junction of the footing and foundation, may be used as a collar around drain detailing area, may also be used as a termination flashing material for protrusions through the waterproofing system.
- Also used for terminations and flashings to curbs and parapets on plaza decks or other similar horizontal applications.

TECHNICAL DATA

See physical properties table.

INSTALLATION

CR™ Liquid Membrane may be applied to surfaces in ambient temperatures of 40° F (5° C) and rising. When working with materials in these cold temperatures CR™ Liquid Membrane must be stored in temperatures of 65° F (18° C) to 80° F (27° C) before the application.

Apply CR™ Liquid Membrane to concrete, steel, sheet membranes and other approved substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. All surfaces must be prepared with CR Sealant prior to application.

Add Component "B" to Component A and mix at slow speed (250-300 rpm) with a 1/2-inch drill 2-part liquid membrane mixing paddle until material is completely blended. Scrape down sides of container and mixing paddle periodically during mixing; thorough blending of the components is essential for maximum performance of the liquid membrane.

DO NOT APPLY ANY MATERIAL IF STREAKS CAN BE SEEN DUE TO INSUFFICIENT MIXING.

Once CR™ Liquid Membrane is mixed; it may be placed with a trowel within 30 minutes. Work very quickly due to

the product's short pot life. Curing time may be accelerated at high temperatures. Once the material has started to thicken, it must be discarded. The material will cure to a flexible, rubber like material.

CR™ Liquid Membrane must be applied in a minimum of 90 mils of coverage, unless otherwise noted on any details. In a reinforcing or fillet application at footing and wall junction, under the Ultra CRM Waterproofing System, it should be applied with a minimum of 3/4-inch face. CR™ Liquid Membrane is also to be applied as a waterproofing detailing liquid membrane for penetrations and CR Membrane inside outside corners.

When used as a seal at membrane terminations CR™ Liquid Membrane must be applied a minimum of 1-inch over the waterproofing membrane and a minimum of 1-inch onto the surface being waterproofed.

Before any flood testing should occur, a minimum cure of 24 hours must be allowed for CR™ Liquid Membrane.

Polyguard recommends to clean tools and equipment with mineral spirits before CR™ Liquid Membrane has set. Always wear gloves when using this product.

STORAGE

For best results, store adhesive in a dry, well-ventilated area at temperatures of 65° F (18° C) to 80° F (27° C).

SAFETY

This product when mixed becomes very hot. Wear appropriate protection. SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at (214) 515-5000 with questions.

WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided.

TECHNICAL SERVICES

Technical assistance, information and Polyguard's products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.

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PROPERTY	TEST METHOD	TYPICAL VALUE
COLOR		Gray
TENSILE STRENGTH	ASTM D 412	300 PSI
ELONGATION	ASTM D 412	450-500%
HARDNESS, SHORE A	ASTM D 2240	50-45
JOINT MOVEMENT		± 25%
VOLATILE ORGANIC COMPOUNDS (VOC)		0.0 g/l VOC
POT LIFE @ 77°F (25°C): 30 minutes		
TACK FREE @ 77°F (25°C): 1 hour		
FULL CURE @ 77°F (25°C): 1 day		

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions.

Actual pot life and working time depend on ambient and material temperatures. In cooler temperatures, the useful working time may be one hour or more; working time will be substantially reduced in warm temperatures. To improve workability and avoid a shortened pot life in hot weather, the material should be cooled to 65°F to 80°F prior to mixing. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above should be expected.

PACKAGING	PART NUMBER	UNIT SIZE
CR™ LIQUID MEMBRANE (A & B yields 1.5 Gallons)	CR LIQUID MEMBRANE-1.5 GA	2-gallon pail

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