



Elastikote®  
 5020 Enterprise Parkway  
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Rev. 6-22-17

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**DESCRIPTION**

ElastiKote® 900 WP Complete is a flexible, elastomeric, ready-to-use single component, fluid-applied, solvent based 100% rubber waterproofing membrane that is applied in a two-coat application process. ElastiKote 900 WP Complete does not require insulation, drainage or protection panels. After allowing the membrane to properly cure (for 48 hours), the foundation can be backfilled. ElastiKote 900 WP Complete is available in gray or green in 5-gallon pails or 50-gallon (net by weight) drums. ElastiKote 900 WP Complete is manufactured in our ISO 9001:2008 Registered facility located in Seville, Ohio.

**Spray Application**



**TECHNICAL INFORMATION**

ElastiKote WP 900 Complete is compliant with ICC, as it has passed the AC 29 requirements per an accredited independent laboratory.

**AC 29 Acceptance Criteria for Cold, Liquid-Applied, Below Grade, Exterior Dampproofing and Waterproofing Materials (Approved June 2011)**

Property	Test Method	Result	Requirement
Color <sup>1</sup>	NA	Dark Gray or Green	—
Asphalt Content <sup>1</sup>	NA	0.0%	—
Thickness <sup>1</sup>	ASTM D 3767	40 mils ( nominal )	—
Tensile Strength, Membrane <sup>1</sup>	ASTM D 412	563.3 psi	—
Elongation, Membrane <sup>1</sup>	ASTM D 412	1,669.2 %	—
Resistance to deterioration in contacting soil	ASTM E 154 (3 tests below)		
Weight Loss ( % )	ASTM E 96-00	6.6	≤ 10
Water Vapor Permeance ( Perm )		0.2	≤ 1
Hydrostatic Pressure over cracks ( ft of water )	ASTM C 1306-95	69.3	Report 50% of Lowest value
Resistance to Water [ Pass/Fail ]	ASTM D 2939	Pass	No blistering or re-emulsification

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Property	Test Method	Result	Requirement
Remain in Place During Application [ Pass/Fail ]	ASTM C 836	Pass	As recommended by Mfg ± 5 mils
Adhesion-in-peel (after water immersion) ( lb/in )	ASTM C 836	5.3	≥ 1
Low Temperature Crack Bridging [ Pass/Fail ]	ASTM C 1305	Pass	No Cracking
Extensibility after Heat Aging [ Pass/Fail ]	ASTM C 1522 / ASTM C 836	Pass	No Cracking

<sup>1</sup>Property not part of AC 29 testing requirements

### Elastikote 900 WP Complete ( C ) Overview

For specific detailed information refer to the Elastikote WP 900 Complete Liquid Applied Below Grade Waterproofing specification.

### Storage and Handling

Maintain materials in their original unopened containers with all labels intact and legible. Shelf life is 2 years in original unopened container. Store containers on pallets in a covered or protected area. **Store in areas where maximum temperature does not exceed 90°F and at a minimum of 40°F. Never store drums in an open environment without proper protective moisture proof covering as condensation or rain, under certain conditions, may infiltrate and contaminate the drum contents through the “bung” and ring areas. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM FLAME OR ANY OTHER SOURCE OF IGNITION.** For additional safety & health information, refer to the MSDS for this product.

### Applicator Qualifications

All Elastikote certified applicators are thoroughly trained by the Manufacturer in all aspects of use and application of materials. Certification credentials are issued upon completion of training activities.

### Surface Preparation

Surface must be dry, clean, and free from grease, wax, excess mortar, dust, dirt, loose stone, biomass, foreign particulate and debris. Concrete surfaces must be properly cured, dry, smooth and without large voids, spalled areas or sharp protrusions. Do not proceed with installation until concrete has properly cured and dried (minimum of 14 days for normal structural concrete). Masonry joints must be flush and completely filled with mortar. Fill tie rod holes, honeycombed areas, bug holes and other surface defects with Elastikote 1000 Labor Sav’R™ Mastic. (Refer to 1000 Labor Sav’R Mastic for Below Grade Applications Product Data Sheet). Repaired areas must be finished flush with surrounding surface area.

### Material Preparation

#### Material Heating Guide

<b>*ElastiKote 900 WP Complete application temperature (top)</b>													
<b>**Target substrate temperature (bottom)</b>													
*120	110	100		95	90	85	80						
**40	50	60	70	80	90	100	110	120	130	140	150	160	

ElastiKote 900 WP Complete must be properly heated and stirred prior application. To maximize product performance and ease of application, always heat the product to a temperature range of between 80°F and 120°F with 4” wide heat bands or heat exchanger. When using spray type application method, it is especially important to heat product to ensure proper viscosity for maximum performance of applied product in both **warm and cold weather**.

Determine “on-site” the proper application temperature for efficient and quality assuring best practice product installation. Temperature selection can vary. Existing ambient air temperature will impact selection, concrete substrate temperature and the type and size of selected spray pump and spray tip used. Always synchronize the heating process of the material to be installed with target concrete substrate temperature. When target concrete substrate is equal (very hot during the summer) or in excess of the product application temperature, always adjust the product temperature before application. If applied product becomes too hot from the combination of preparation heating and exposure to extreme heat of target concrete substrate, the product will run or “sag” resulting in low and unacceptable millage thickness. Conversely, if the product is not heated sufficiently and is applied at too low a temperature, the spray pattern will result in the phenomena known, as “webbing” or “fingering” and the product will not self-level. If in doubt, always contact Manufacturer.

Stir heated material (summer & winter) thoroughly prior to application. Always mix (stir) from bottom to top using a paddle type mixer at a minimum of 20 minutes for a 50-gallon drum and 5 minutes for a 5-gallon pail.

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### Tools & Equipment

Follow personal protective equipment requirements as listed on material MSDS. Utilize appropriate OSHA safety equipment. Drum and/or pail 4" wide heat bands or heat exchanger; infrared thermometer, wet mil gauge, and paddle type mixer are required. Use a Graco 733, Graco 833 or similar equipment with appropriate tips. If rolling use medium to smooth nap roller (1/4" to 3/8" nap). Square edge trowel, caulking tube assembly, 1–2 & 4–6-inch brushes or roller may be used to apply ElastiKote 1000 Labor Sav'R Mastic.

### Application

Prior to application, always ensure the target concrete substrate is totally dry with no ice, dew, frost or any other type of moisture present. Refer to guidelines in the ElastiKote WP 900 Complete Liquid Applied Below Grade Waterproofing specification. If rolling use medium to smooth nap roller (1/4" to 3/8" nap). Apply product using appropriate spray equipment. Remove all filters from spray unit or spray guns. Use heavy-duty (XHD) tips without a diffuser or atomizer bar. Tip sizes range from 625 to 631 or 725 to 731. Tips may need to be adjusted. While holding spray wand, with the appropriate tip oriented at a 90° angle from the target surface and positioned at a maximum distance of 12" from the target wall, apply the Basecoat. While using a smooth and deliberate motion, apply the Basecoat waterproofing product from left to right, then immediately followed by another "pass" from right to left and consistently lowered to ensure a desired 50% overlap at all times. Product must be applied at the designed minimum application rate of 40 wet mils. Basecoat must be applied over all previously applied Labor Sav'R repair locations and must always be installed with a minimum 3"- 4" overlap of the concrete footer.

After the Basecoat is properly installed and all defects corrected, the topcoat (second coat) must be applied. The application of the Topcoat begins at the same starting point as the Basecoat. The second coat should be applied perpendicular to the spray pattern of the Basecoat on the target substrate wall. Always consistently spray each pass with a 50% overlap as done with the Basecoat. Systematically and consistently spray apply to cover the Basecoat with an additional 40 wet mils to include all corrected defects and fill areas as well as the change of plane wall to footing angle locations.

**Backfill may be done after 48 hours, but must be completed within seven (7) days of application.** There shall be no exposed product, as it is not designed for UV exposure. Any exposed areas are to be coated with ElastiKote® 1000.

### Material Preparation – Cont.

Be diligent that paddle sweeps actual bottom of drum. Do not over mix (or allow air bubbles) as this will result in pinholes. Spray pump cavitation caused by suction leaks (or from worn seals) will also allow air into the product causing pinholes.

To best work efficiently, keep two or three 5-gallon pails or two 50-gallon drums heating and/or stirring ahead of crew. Heating a 5-gallon pail from 70°F to 100°F with one 4" wide heat band on max (#10 setting) should require approximately 10 minutes plus an additional 5 minutes to mix. Heating a 50-gallon drum from 70°F to 100°F when using a heat exchanger should take between 20 – 30 minutes. Heating a 50-gallon drum from 70°F to 100°F with two 4" wide bands heaters on max (#10 setting) should take approximately 30 – 40 minutes.

Always remix product after any application work stoppage of **20 minutes or more** to ensure critical additive products stay in suspension

**Topcoat is Applied Perpendicular to Basecoat with an additional 40 wet mils and with a 50% overlap**



### Minimum Suggested Coverage Rate

Product must be applied at the designed minimum application rate of 40 wet mils for both the Basecoat and Topcoat.

Typical coverage rates are 25 –30 square feet per gallon on cast-in-place walls and parged block walls.

### Drying Time

2–4 hours (typical) before initiating application of Top Coat

### Clean-Up

Clean equipment, brushes, rollers, and tools using mineral spirits.