

TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data



PREMICOTE™ P81

PRIMER - EPOXY RUST INHIBITOR

PremiCote™ P81 as provided is a two component, 4 to 1 ratio, A to B water-based flexible epoxy primer.

RECOMMENDED USES: PremiCote™ P81 adheres well to most TPO membranes, metals, organic polymers, wood, masonry and vitreous surfaces. This primer may also be used as masonry block filler. Not for use on copper.

FLAMMABILITY: Non-flammable.

ADHESION: Excellent adhesion to most surfaces at recommended application rate. Most coating materials have excellent adhesion to PremiCote™ P81 Primer. Too much primer will reduce adhesion strength.

WEATHERABILITY: Chalk resistance is poor. Durability without topcoat is only fair. Not intended for continuous exterior use.

POT LIFE: 2 hours at 75° F. This can be extended to 3 hours by thinning with water to achieve the original consistency. Pot life at 55° F is doubled, however at 100° F it is reduced to 45 minutes or less.

CURE TIME: Dry to touch in 1 hour or less; depending upon temperature, humidity and thickness. Full cure in 24 hours at 75° F.

RECOAT TIME: Most coatings can be applied over PremiCote™ P81 as soon as it is thoroughly set. This degree of cure is normally achieved 2 to 3 hours after application (dependent upon temperature and humidity) and can be recoated for up to 7 days. Best adhesion is achieved in 1 to 3 days. After 7 days surface must be cleaned and re-primed prior to coating application.

PRODUCT LIMITATIONS: Do not apply to surfaces, which are below 50°F or above 130°F unless special instructions are secured from Accella™. Do not apply when it is raining or if the threat of rain exists. Also, do not apply when the dew point is less than 5°F above ambient temperature

TYPICAL PHYSICAL PROPERTIES:

PROPERTY	PREMICOTE™ P81	TEST	+
SOLIDS CONTENT BY WEIGHT	56.0% ± 2	ASTM D 1644	
SOLIDS CONTENT BY VOLUME	42.5% ± 2	ASTM D 2697	
FLASH POINT	>212°F (>100°C)	As mixed A & B	
HARDNESS	Cures to form a hard lusterless coating		
CHEMICAL RESISTANCE	Excellent Alkali resistance, good solvent and fair acid resistance		
PERMEABILITY	Cures to form a solvent and vapor resistant film		
VOC	< 63 grams/liter	As mixed A & B EPA Method 24	
TEMP LIMIT FOR NORMAL SERVICE	-40°F to 180°F		
MAXIMUM CONTINUOUS SERVICE TEMP	180°F (82°C)		
SHELF LIFE	Unopened Containers 1 year when stored between 45°F and 75°F	Protect from freezing in shipment & storage	

GENERAL PROPERTIES: : PremiCote™ P81 is a multi-purpose, thixotropic, easy spreading primer.

WEATHER RESTRICTIONS: It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application.

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MATERIAL HANDLING: Installers should read and understand all technical and informational literature on PremiCote™ P81, including the Safety Data Sheets, prior to using this product. PremiCote™ P81 is designed for installation by a professional application company. Caution should be exercised to prevent mishap due to improper handling. Published technical data and instructions are subject to change without notice. Contact your Accella™ Polyurethane Systems Representative or the Technical Services Dept. of Accella™ Polyurethane Systems for additional technical data and instructions.

PROPER STORAGE OF RAW MATERIALS: Material storage temperatures should be 70°-85°F (21°-30°C) for several days prior to use and should not exceed 90°F (32°C). Cold materials can cause poor mixing, pump cavitation or other process problems due to higher viscosities at lower temperatures. Do not store where the containers will be exposed to rain, snow or high heat. Keep containers tightly closed when not in use and under dry air. Shelf life is twelve months from date of manufacture.

TECHNICAL ASSISTANCE: For additional assistance please contact the Technical Services dept. of Accella™ Polyurethane Systems at (844) 922-2355.

DISCLAIMER: To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Accella™ to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Accella™. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ACCELLA™ EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

APPLICATION GUIDELINES:

SURFACE PREPARATION: Surface to receive coating must be clean, dry, and paintable. Any debris, gravel, dust, and contaminants must be removed prior to application.

MIXING PROCEDURES: The two components are packaged in the correct proportions (4 parts by volume of Part A to 1 part by volume of Part B). - **MIX each A & B component individually** - then combine A & B and mix thoroughly. Power mixing is recommended. Part A is a slurry liquid, with settling properties. Part B is a viscous liquid. When combined the resulting product becomes a thixotropic easy spreading suspension. **Do not use material that has been mixed for 3 hours or more.**

APPLICATION RATES: Applied to a smooth surface, the coverage rate is approximately 200 to 400 square feet per gallon. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength.

APPLICATION EQUIPMENT: This product may be sprayed, brushed, or rolled. Use long nap (3/4" to 1") rollers when PremiCote™ P81 primer is used as block filler for porous concrete. If blowholes form as the primer dries make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of PremiCote™ P81 Primer. Use a 1/4" or 3/4" nap roller or nylon brush.

APPLICATION OF TOP COATS: Most coatings can be applied over PremiCote™ P81 primer as soon as it is thoroughly set. This degree of cure is normally achieved in two to three hours (dependent upon temperature and humidity). Where maximum solvent resistance is needed, apply two coats a minimum of two hours apart. Let cure for five days with a daily maximum temperature of 70°F or higher. All Accella™ Elastomers and most commercial paint will adhere well to cured PremiCote™ P81 Primer up to one week old, provided that the surface is clean and free of chalk.

CLEAN UP: Clean with water supplemented with soap or a small quantity of vinegar. MEK is recommended for cleaning spray equipment in order to avoid corrosion. (Make sure hoses are solvent resistant).

SAFETY: Part B contains a polyamide resin, which is non-sensitizing, however, care should be taken to thoroughly clean with soap and water any skin areas that are contacted by PremiCote™ P81 Primer. Undiluted vinegar is very effective in neutralizing coating that contacts the skin. If the coating should get in the eye, flush with water and call a physician. See SDS for complete details.

This product is designed for professional installation. Caution should be exercised to prevent mishap due to improper handling. The use of an appropriate MESA/NIOSH approved respirator during application is important. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution during spray processes to avoid falls caused by slipping on wet primer. Installers should read and understand all technical and informational literature on this product, including the Material Safety Data Sheet, prior to using this product.

MANUFACTURED BY:

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EMERGENCY NOTIFICATIONS:

CHEMTREC : Material Leaks, Spills or Fire (800) 424-9300

