



# ELASTO-POXY PRIMER VOC

## TWO COMPONENT VOC COMPLIANT PRIMER

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

Pacific Polymers® ELASTO-POXY PRIMER VOC is a two-component, solvent based VOC compliant epoxy resin based primer for use with the ELASTO-DECK 5000, and ELASTO-DECK B.T. Systems. The primer may also be used with ELASTO-DECK 6500 polyurea traffic coatings and joint sealants. When mixed, it will set up to a durable tough film when used on wood, metal or concrete.

#### BASIC USES:

- **ELASTO-POXY PRIMER (VOC)** is specially formulated as a primer for polyurethane and Polyurea Coatings that are to be put down under conditions which would normally be considered adverse for the application.
- On green concrete (concrete that is more than 8 days, but less than 28 days old and less than 15% moisture content), concrete floors poured in metal pans, or where the surrounding water table might cause a damp condition, **ELASTO-POXY PRIMER (VOC)** will set up to form a sound surface for polyurethanes and epoxies to bond to.
- **ELASTO-POXY PRIMER (VOC)** also has excellent adhesion to metal and wood surfaces.
- It is recommended to test on metal surfaces prior to coating application.
- It is used to promote adhesion of ELASTO-DECK 5000 polyurethane deck coating systems, ELASTO-DECK 6500 polyurea systems, Joint Sealants and Elasto-Deck BT series and Elasto-Mat D&G to Concrete. Wood, Concrete and Metal. Also used as an interlaminary primer for deck and membrane re-coats.

#### TECHNICAL DATA

Property	Typical Results
Consistency	Fluid
Color	Yellowish to amber
Weight Per Gallon	9.55 +/- 1.10 pounds (@77°F)
Viscosity (Brookfield)	600-700 maximum cps (@77°F)
Pot Life	(@77°F) 2 Hours
Dry to touch	2-3 hours (@ 77°F, 50% RH min)
Mix Ratio	(A/B) by volume 2:1
Solid Content	73% +/- 3% (Volume)
VOC	65 g/L, EPA Method 24
Cure Time	2 – 8 hours
** The shelf life for an unopened container stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall	

#### MIXING INSTRUCTION (EPP-VOC)

- Agitate B-Component (Curing Agent) container prior to opening for roughly 30 seconds to allow the component to get homogeneous. Then open the container and drain out completely into the A-Component (Epoxy Resin Component).
- Using Jiffy Mixing Blade attached to a slow speed drill (300 - 450 rpm), mix the components for 2 – 3 minutes. Let it stand for few minutes to break entrapped air bubbles and pockets.
- Apply the Primer at suggested rate. Note: For best application, store components above 65oF. Component -B (Curing Agent) could separate if stored below 40oF. In case separation is noticed, mix the component mechanically prior to draining to the A-Component.
- Mixing in a up and down motion is not recommended since it can aerate the mixture. Use of solvents to thin down the mixed component is not recommended. Improper mixing procedure or incorrect mixing ratio may result in moisture sensitivity, slow cure, soft spots, and potential other defects such as poor adhesion, pinholes, etc.

#### INSTALLATION:

- All surfaces which are to be coated with **ELASTO-POXY PRIMER (VOC)** must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc.
- Water-curing concrete is recommended instead of using concrete curing compounds.
- All surfaces must be clean and sound, but may be damp.
- Sandblasting is recommended when possible, otherwise acid etching or wire brushing may be sufficient.
- **Coverage:** 200-250 sq. ft. per gallon on rough surfaces. Up to 300 sq.ft. per gallon on smooth surfaces.
- Allow for a 10 minute induction time after mixing components if temperatures are below 65°F (18°C) prior to primer application.
- If the temperature is above 65°F (18°C) no induction time is required.
- The surface that has been coated with **ELASTO-POXY PRIMER (VOC)** should be coated over after a 2-3 hours cure not to exceed 8 hours.
- If for some reason the primer is allowed to totally cure to a hard glass-like finish, the surface should be sanded, cleaned and re-primed with another coat of **ELASTO-POXY PRIMER (VOC)** before coating over with polyurethane and/or polyurea coating.
- **ELASTO-POXY PRIMER (VOC)** may be applied by brush, roller or spray followed by back-roll.

- **Clean Up:** Because of the difficulty in cleaning up or removing cured **ELASTO-POXY PRIMER (VOC)**, equipment and tools should be cleaned immediately after use, with Acetone or similar VOC exempted solvents available in the market. Use only water-based hand cleaners for skin clean up.

#### TEMPERATURE CONSTRAINTS:

- Minimum application temperature is 40°F (4°C) and rising and more than 5°F above dew point.
- Contact Technical Service when substrates are over 90°F (32°C) or under 40°F (4°C).
- Avoid application when inclement weather is present or imminent.
- Do not apply to damp, wet, or contaminated surfaces

#### WARNINGS AND HAZARDS:

- Caution! Product is flammable
- Before using the products, always refer to SDS for important warnings and safety information.
- Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove immediately and wash with warm, soapy water. Wear suitable eye protection.
- Always wash hands before eating.

#### AVAILABILITY AND COST:

- **ELASTO-POXY PRIMER VOC** is supplied through building material dealers.
- These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.
- All materials shall be delivered to the job site in unopened containers clearly marked and labeled. Containers that have been opened must be used up within one or two days since it is a moisture-reactive material.
- The material will cure when exposed to air.

**PACKAGING:** 1.5 gallon and 15 gallon kits.

#### TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at [www.pacpoly.com](http://www.pacpoly.com). Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

#### PRODUCT WARRANTY:

SATISFACTORY RESULTS DEPEND NOT ONLY UPON QUALITY PRODUCTS BUT ALSO UPON FACTORS BEYOND OUR CONTROL; METHODS OF APPLICATION AND SITE CONDITIONS ARE EXAMPLES OF SUCH FACTORS AND CAN AFFECT PRODUCT PERFORMANCE. THIS WARRANTY CONSEQUENTLY EXTENDS ONLY TO PRODUCTS INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF, BY HIS OWN INFORMATION AND TESTS, OF THE SUITABILITY OF THE PRODUCT FOR HIS OWN INTENDED USE; USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM HIS USE OF THE PRODUCT. THE SUBSTRATE TO WHICH THE PRODUCT IS APPLIED MUST BE SOUND STRUCTURALLY AND OTHERWISE. STRUCTURAL OR SUBSTRATE FAILURES OR IMPERFECTIONS RESULTING IN DAMAGE TO OR FAILURE OF THE PRODUCT ARE NOT COVERED BY THIS WARRANTY.

SINCE THE USE OF THE PRODUCT IS BEYOND THE CONTROL OF THE MANUFACTURER, THE MANUFACTURER ASSUMES NO LIABILITY FOR MISAPPLICATION AND MISUSE OF THE PRODUCT.

THIS WARRANTY DOES NOT COVER CONSEQUENTIAL DAMAGES, NOR DOES IT COVER THE LABOR ATTENDANT TO REPLACING PRODUCT IN THE EVENT OF A PRODUCT FAILURE. THE WARRANTY ONLY EXTENDS TO REPLACEMENT OF THE PRODUCT ITSELF.

ALL PRODUCTS PROVEN TO BE DEFECTIVE IN MANUFACTURE WILL BE REPLACED AT NO CHARGE. SINCE THE USE OF THESE PRODUCTS IS BEYOND OUR CONTROL WE CANNOT ASSUME ANY RISK OR LIABILITY FOR RESULTS OBTAINED, NOR CAN WE ACCEPT DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from  
ITW Polymers Sealants North America, Inc.