



**POLYCOAT  
PRODUCTS**  
A Division of American Polymers Corp.

## **POLYPRIME 183**

*Two Component  
Aromatic Urethane Polyurea Primer  
Technical Data Sheet*

### **DESCRIPTION**

Polyprime 183 is a two component, 1:1 ratio, rapid setting, non-sag, liquid applied, aromatic urethane polyurea primer.

### **FEATURES**

- ❖ Non-Toxic
- ❖ Two Component
- ❖ Meets USDA Criteria
- ❖ Meets California VOC and SCAQMD Requirements
- ❖ Odorless
- ❖ Fast Curing

### **TYPICAL USES**

- ❖ Polyurea Primer
- ❖ Bonding agent for Plastics, Masonry, Wood and EPS.

### **COLOR**

Side-A: Black, Side-B: Clear

### **PACKAGING**

10 gallon kit: One 5 gallon pail of Side-A and One 5 gallon pail of Side-B.

100 gallon kit: One 55 gallon drum (net 50 gallons) Side-A and One 55 gallon drum (net 50 gallons) Side-B.

### **MIXING**

Before application, Polyprime 183 must be mixed thoroughly. Closed-top metal cans can be shaken to mix material.

### **APPLICATION**

Polyprime 183 needs to be conditioned at 75-80°F prior to use.

Polyprime 183 should be applied at the rate of 1 gallon/100 sq.ft. (0.14 liters/m<sup>2</sup>), using a high pressure, heated, 1:1 spray machine.

Allow Polyprime 183 to dry for 10-30 minutes before applying the coating. Recoat time is two to three hours.

Polyprime 183 can be applied at surface temperatures as low as 10°F (-12°C) and as high as 135°F (57°C).

Polyprime 183 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Low temperature and/or low humidity extend the cure time.

### **EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Cured Product may be disposed of without restriction. Mix excess Side-A and Side-B material and allow to cure.

### **TECHNICAL DATA**

|   |                                       |
|---|---------------------------------------|
| Coverage Rate .....                     | 1 gal/100 sq.ft.                      |
|   | (Varies with substrate and equipment) |
| Pot Life, 150°F (66°C) @ 50% R.H. ....  | 8-10 seconds                          |
| Hardness, ASTM D-2240 .....             | 70 ± 10 D                             |
| Specific Gravity,                       |                                       |
| Part-A .....                            | 1.18                                  |
| Part-B .....                            | 1.01                                  |
| Total Solids, Weight, ASTM D-2369 ..... | 100%                                  |
| Total Solids, Volume, ASTM D-2697 ..... | 100%                                  |
| Volatile Organic Compounds,             |                                       |
| ASTM D-2369-81 .....                    | 0.0 lb/gal                            |
| Recoat Time .....                       | 2-3 hours                             |

### **STORAGE**

Polyprime 183 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

### **LIMITATIONS**

Not UV stable. Will discolor in exterior applications.

Surfaces must be dry, clean and free of foreign matter .

Containers that have been opened must be used as soon as possible.

Polyprime 183 is difficult to clean up after it has cured.

Do not dilute under any circumstance.

### **WARNING**

This product contains Isocyanates and Curative.

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Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

**SAFETY PRECAUTIONS**

This product is for industrial use only by professional applicators and is not intended or suitable for use in or around household or residential property. Keep away from children and household items. This material contains polyisocyanates. Vapors and spray mist are harmful. Improper handling and use may be hazardous. At all times safety precautions must be strictly followed during storage, handling and application.

**WARNING**

Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. All personnel entering the application area, including the applicator must wear properly fitted, NIOSH/MSHA approved, fresh air positive pressure air respirators with a full face piece or an air supplied hood.

Keep the material away from sparks, flash and open flames. Containers, even those that have been emptied, may contain dangerous explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.

**LIMITED WARRANTY**

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current established physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, accidental nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, applicator.

**DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.