



HIGHTECH
INDUSTRIAL COATINGS

PRIMETECH 2180SC

TWO-COMPONENT, EPOXY-POLYAMINE PRIMER

PRODUCT DATA

Mix Ratio 1 Part A to 1 Part B

Coverage 1 gal/300 sq. ft

Tack Free Time 3-5 hours

Shelf life 12 months

COLOR PIGMENTS

Part-A: Black

Part-B: White

PACKAGING

2 Quart kit:

Part A One 1 Quart Can
(0.946 liter)

Part B One 1 quart can
(0.946 liter)

2 Gallon kit:

Part A One 1 Gallon Can
(3.78 liters)

Part B One 1 Gallon Can
(3.78 liters)

10 Gallon Kit:

Part A One 5 Gallon Pail
(18.9 liters)

Part B One 5 Gallon Pail
(18.9 liters)

PRODUCT DESCRIPTION

PRIMETECH 2180SC is a two component, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. It is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

ADVANTAGES

- Seals Concrete
- Low Viscosity
- For SCAQMD areas

APPLICATIONS

- Concrete
- Metal
- Polyurethane Intercoat Primer
- Plywood

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Coverage Rate	1 gal/300 sq. ft. (0.14 l/m ²)	-
Pot Life at 75°F (24°C), 50% R.H.	60-90 min	
Dry Film Thickness per Coat	4 ± 1 mil (102 ± 25 microns)	-
Specific Gravity	Part-A: 1.30 Part-B: 1.89	-
Total Solids by Weight	90 ± 2%	ASTM D-2369
Total Solids by Volume	84 ± 2%	ASTM D-2697
Viscosity at 75°F (24°C)	1200 ± 200 cps Part-A & B combined	
Volatile Organic Compounds	0.83 lb/gal (100 gm/liter)	ASTM D-2369-81

MIXING

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid. Do not mix in an up and down motion.

PRIMETECH 2180SC Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material.

PRIMETECH 2180SC must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION

PRIMETECH 2180SC should be applied at the rate of 1 gallon (mixture of Part-A & Part-B) /300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow PRIMETECH 2180SC to become tack free before applying the coating. Approximate tack free time is 3-5 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

PRIMETECH 2180SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

CLEAN UP

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

STORAGE

PRIMETECH 2180SC has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

- PRIMETECH 2180SC should be coated within 8-12 hours after it has become tack free.
- Not UV stable.
- Surfaces must be dry, clean and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- PRIMETECH 2180SC is difficult to clean up after it has cured.
- Do not dilute PRIMETECH 2180SC.
- Mix no more material than can be used within 45 minutes.

WARNING

This product contains Epoxy Resin and Curatives. PRIMETECH 2180SC Part-A and Part-B are considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.

LIMITED WARRANTY:

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 Hightech representative or visit our website for current technical data and instructions.

Hightech warrants its products to be free of manufacturing defects and that they will meet Hightech current published physical properties. Hightech warrants that its products, when properly installed by a state licensed waterproofing contractor according to Hightech 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 Hightech of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Hightech 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. Hightech 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, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Hightech reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or 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 users 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 Hightech makes no claim that these tests or any other tests, accurately represent all environments

KEEP OUT OF REACH OF CHILDREN