



PRIMETECH 21

TWO-COMPONENT, HIGH SOLIDS, EPOXY-POLYAMINE PRIMER

PRODUCT DATA

Mix Ratio . . . 2 Parts A to 1 Part B
Coverage 1 gal/300 sq. ft
Tack Free Time 4-6 hours
Shelf life 12 months

COLOR PIGMENTS

Part-A: Blue
Part-B: Yellow

PACKAGING

3 Gallon kit:

Part A One 3.5 Gallon Pail
Net: 2.0 Gal.
(7.57 liters)

Part B 1 Gallon Can
(3.78 liters)

15 Gallon Kit:

Part A Two 5 Gallon Pails
(18.9 liters)

Part B One 5 Gallon Pail
(18.9 liters)

PRODUCT DESCRIPTION

PRIMETECH 21 is a two component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. It is ANSI/NSF 61 approved for direct contact with potable water.

ADVANTAGES

- Seamless
- Elastomeric
- Recoatable
- Chemical Resistance
- Waterproof
- Meets California VOC Requirements
- Meets California AQMD Requirements, including SCAQMD Areas

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Mix ratio by Volume	2 Parts A : 1 Part B	-
Pot Life	20-30 min at 75°F (24°C), 50% R.H.	-
Coverage Rate	1 gal/300 sq. ft. (0.14 l/m ²)	-
Dry Film Thickness per Coat	5 ± 1 mil (127 ± 25 microns)	-
Hardness	90 ± 2%	ASTMD-2240
Specific Gravity	Part-A: 1.09 Part-B: 1.07	-
Total Solids by Weight	91%	ASTM D-2369
Total Solids by Volume	90%	ASTM D-2697
Viscosity at 75°F (24°C)	600 ± 50 cps Part-A & B combined	
Volatile Organic Compounds	0.75 lb/gal (90 gm/liter)	ASTM D-2369-81

MIXING

The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid.

PRIMETECH 21 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. PRIMETECH 21 must always be mixed with two parts Part-A and one part Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed. Do not mix in an up and down motion.

APPLICATION

PRIMETECH 21 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 21 to become tack free before applying the coating. Approximate tack free time is 4-6 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 21 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.

LIMITATIONS

- PRIMETECH 21 should be coated within 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 21 is difficult to clean up after it has cured.
- Do not dilute PRIMETECH 21.
- Mix no more material than can be used within 20 minutes.

CLEAN UP

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

WARNING

This product contains Epoxy Resin and Curatives

STORAGE

PRIMETECH 21 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).

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