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TECHNICAL BULLETIN

SEALDEK® EP#1

2:1 100% solids
Epoxy Polyamine Primer
for Interior / Outdoor Use

DESCRIPTION

SEALDEK EP#1 is a two component, 100% solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. This primer is recommended for use on concrete, plywood and other heavy traffic areas and for indoor applications.

FEATURES

- ❖ Low Odor
- ❖ 100% Solids
- ❖ Solvent Free
- ❖ Low Viscosity
- ❖ Excellent Adhesion

TYPICAL USES

- ❖ Concrete
- ❖ Plywood
- ❖ Glass Reinforced Plastics
- ❖ Polyurethane Elastomeric Surfaces

COLORS

Part-A: Blue, Part-B: Yellow

PACKAGING

3 gallon kit: One 3.5 gallon pail containing net 2 gallons (7.57 liter) of Part-A Blue Liquid and one 1 gallon (3.78 liter) can of Part-B Yellow Liquid

15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A Blue Liquid, each containing 5 gallons and one 5 gallon (18.9 liter) pail of Part-B Yellow Liquid, containing 5 gallons

MIXING

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

SEALDEK EP#1 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. SEALDEK EP#1 must always be mixed with two parts Part-A and one part Part-B (Part-A:Part-B=2:1). By volume the combined components should be thoroughly mixed using a mechanical mixer at

slow speed or for at least 5 minutes if mixed by hand.

Mix no more material than can be used within 20 minutes.

SEALDEK® PRIMER SELECTION CHART

Features & Uses	EP#1	EP#2	MAX-E PRIME
Low Odor	****	**	**
Solvent Free (100% solids)	Yes	No	No
Low Viscosity	***	***	****
One Component	No	No	Yes
Fast Curing	**	***	****
Meets CA VOC & AQMD	Yes	Yes	Yes
Low Pedestrian Traffic	****	****	**
High Pedestrian Traffic	****	****	N/R
Vehicular Traffic	****	****	N/R
Recoat Window in Hours	<24	<8	<2
Substrate Adhesion			
Concrete & Masonry	****	****	****
Glass Reinforced Plastic	Test	Test	Test
Plywood	****	****	Yes
Metal	**	****	Yes
Elastomeric Polyurethane	****	****	**

**** Excellent, *** Good, ** Moderate, * Acceptable
N/R = Not Recommended

TECHNICAL DATA

Coverage Rate	1 gal/300 sq. ft. 0.135 l/m ²
Pot Life, 75°F (24°C) @ 50% R.H.	20-30 min.
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Hardness, ASTM D-2240	70 ± 5 Shore D
Specific Gravity,	
Part-A	1.09
Part-B	1.07
Total Solids, Weight, ASTM D-2369	91%
Total Solids, Volume, ASTM D-2697	90%
Viscosity, at 75°F (24°C),	
Part-A & B combined	600 ± 50 cps
Volatile Organic Compounds,	
ASTM D-2369-81	0.75lbs/gal 90gm/liter

APPLICATION

SEALDEK EP#1 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 SEALDEK EP#1 to become thumb print tacky 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 dewpoint.

SEALDEK EP#1 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.

EQUIPMENT CLEANUP

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

STORAGE

SEALDEK EP#1 has a shelf life of one (1) year from date of manufacture when stored indoors at a temperature between 60°F to 95°F (15°C to 35°C) in original factory sealed containers.

LIMITATIONS

SEALDEK EP#1 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.

Enviro-Grip® EP#1 is difficult to clean up after it has cured.

Do not dilute Enviro-Grip® EP#1.

Mix no more material than can be used within 20 minutes.

WARNING

This product contains Epoxy Resin and Curatives.

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

LIMITED WARRANTY

SWS warrants its products to be free of manufacturing defects and that they will meet SWS current published physical properties. SWS warrants that its products, when properly installed by a state licensed waterproofing contractor according to SWS guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by SWS of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. SWS 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. SWS 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. SWS 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 SWS makes no claim that these tests or any other tests, accurately represent all environments.