PRODUCT DATA SHEET

Epoxy S&P 40WB

I. PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name	*Epoxy S&P 40WB*
Manufacturer	Concrete Floor Supply
Address	13024 2nd Street Suite A Grandview, MO 64030 U.S.A.
Emergency Phone	844-599-2319
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II. DESCRIPTION

Epoxy S&P 40WB is a specially formulated, low-odor, two component water based epoxy primer for interior use. Epoxy S&P 40WB provides excellent substrate penetration and is a suitable primer for most epoxies, urethanes, polyurea's and polyaspartic polyurea's.

III. ADVANTAGES AND CONSIDERATIONS

- Low VOC's allow for excellent substrate welting and penetration.
- Provides superior bond to concrete, making it an ideal primer for many other coatings.
- Fast cure times and low odor make this a concrete contractor's favorite primer.
- Works well as a stand-alone, clear epoxy for interior applications.
- VOC compliant for most areas in the United States and Canada.
- Avoid applications on surfaces without effective vapor barriers
- Surfaces must be sound and without contaminates.
- Application temperatures should be 50-80℉.

IV. PHYSICAL PROPERTIES

Solids by Weight	40%
Solids Content	40%
VOC	< 20 grams per liter
Color	Clear or Pigmented
Abrasion Resistance	54-65 mg loss ASTM 4060-81, CS-17 Abrasion wheel, 1000-gram load
Gloss 60	86
Viscosity	200-350 cps
Recommended Film Thickness	2-3 mils
Coverage Per Gallon	200-300 square feet per gallon
Packing Information	2 Pint and 2 Gallon Kit
Mix Ratio	1-part A to 1-part B by Volume
Shelf Life	1 year in unopened containers
DOT Classification	Part A: Not Regulated
	Part B: **CORROSIVE LIQUIDS N.O.S., 8, UN2735, PGIII**

V. CHEMICAL RESISTANCE 1 HOUR

Toluene	+	KEY
Ethanol	+	**+ – No Change**
Sulfuric Acid (10%)	+	**H – Haze**
Acetic Acid (3%)	+	**B – Blisters**
Acetic Acid (10%)	H/B	

VI. CURE SCHEDULE 75F

Pot Life	1-1.5 Hours
Tack Free; Dry to Touch	20-40 Minutes
Recoat or Topcoat	4-6 Hours Minimum
Light Foot Traffic	6-12 Hours Minimum
Full Cure; Heavy Traffic	2-5 Days

VII. LIMITATIONS

- This product will freeze during storage. Store at temperatures above 40-Degrees F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.

- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- This product should be applied in thin coats. DO NOT PUDDLE
- It is not recommended to apply product over carpet, tiles or other types of floor adhesives.
- Please be aware that this product when cured may be slippery when wet. An anti-slip such as Monkey grip can be added to reduce slip hazards.
- It is not recommended to thin this product. Improper thinning may cause the sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values no specifications.
- This product is not UV stable and should not be used outdoors or in areas exposed to excessive sunlight.

VIII. MIXING AND APPLICATION INSTRUCTIONS

SURFACE PREPARATION: For a thin film build system (3-10 mils) we suggest either mechanical scarification, acid etching (and then neutralize to 7 PH), or diamond grinding until an appropriate profile is accomplished. For a high build system (over 10 mils), we suggest a fine brush blast (shot blast). To ensure adequate adhesion, the substrate must be free of all dirt, oil, dust, laitance and foreign contaminants. Prior to application a test should be made to determine that the concrete has an acceptable vapor barrier. This can be done by placing a 4' X 4' plastic sheet on the substrate and completely taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause loss of adhesion. However, **Epoxy S&P 40WB** can be applied to a damp floor if there are no standing puddles and the dampness is not from a continuous source of moisture due to lack of a vapor barrier. Adhesion tests are recommended prior to using.

PRODUCT MIXING: Pour a full pre-packaged kit of 1 part of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Water Based two-part systems need to be mixed well for adequate cure and a streak free finish.

PRODUCT APPLICATION: Apply the mixed material by brush or roller with a 1/4"" nap - 3/8" nap shed less roller cover within the usable pot life time frame, as well as the recommended temperature and relative humidity guidelines listed in the Technical Information section. If continuous outgassing in the concrete is causing bubbles, re-roll the material using a cross rolling method before the material cures to reduce or eliminate air entrapment. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to Puddle! If recoating after 24 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

*PLEASE NOTE: Applying **Epoxy S&P 40WB** outside of the suggested parameters may result in job failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc.*

VIIII. WARRANTY

Concrete Floor Supply warrants that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine suitability of our product for your purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER IFNORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.