

EPOSEAL[®] 100LV High Solids Epoxy

TECHNICAL DATA SHEET

Date 01.24.15 Version 6

Product Description

A reactive polymer non-pigmented, non-fillerized and solvent-free, two component, epoxy-resin based concrete bonding agent. Eposeal 100LV epoxy primer's flow ability penetrates even to the smallest of pores and capillaries

Intended use

Designed for use as a heavy-duty primer coating systems for use on concrete, mortar, cement screeds and steel. Also, It provides structural bonding of new to old concrete and for structural repair of spalled concrete and masonry increasing the strength of concrete and mortar surfaces .Can be used for grouting of load bearing bolts and supports in concrete. Use as binder for wear resistant floor resurfacing and . non-shrink grouts for settling and leveling machinery.

Features

- Superior concrete floor finish for use in food and meat Easily applied as a bonding agent for old to new concrete / mortar
- Binder for wear resistant floor resurfacing
- Withstands impact & thermal shock of high traffic applications
- Bond strength exceeds the strength of concrete
- Moisture tolerant
- Excellent resistance to chemical attacks

Colors

Part A: Clear, Part B: Amber

Performance data

PROPERTIES	DATA
Compressive Strength 7 days	Plain - 10,500 - 12,000 psi. With sand - 9,000 - 10,000psi.
Tensile Strength 7days	6,500 - 8,000 psi. (ASTM D638 ,ISO 527-1)
Flexural Strength 7 days	8,000 - 10,000 psi. (ASTM D790 ,ISO 178)
Bond Strength 7days	4,000 psi.

Surface preparation

All surfaces should be dry, clean, free of oil, grease, form release agents, Laitance, other foreign matter and be structurally sound.

Concrete should be a minimum of 28 days old or substantially cured to the equivalent design strength prior application of Eposeal[®] 100 LV

Eliminate all loose or deteriorated concrete by chipping hammer, water jetting, or other power-driven means to achieve an open pore structure and sound concrete surface. Remove all cleaning means and rubbles by vacuum or spraying with high-pressure, oil-free air.

Mixing / Ratio

1:1 By Volume

Supplied in 2 separate containers. Stir separately then, mix together. Once the product has been mixed it must be applied within the pot life specified. .

Working time

30 minutes at plain mix at 25°C. The addition of sand to the mixed epoxy will extend the working life by 50%.

Curing time

24 hours at 25°C. Not recommended for use when concrete walls and pavements are below 10°

Application

May be applied by brush, roller or spray. Airless spray is the preferred method. Any airless spray equipment capable of 1,000 psi (6,890 kPa) and ½ gallon per minute (1.9 Li /minute) delivery can be used. A reversible self-cleaning spray tip with orifice size of .015" to .025"(.38 mm to .64 mm) and minimum 40 degree fan angle is recommended. For maximum production on large projects, airless spray equipment capable of 2,000 psi (13,790 kPa) and 1 gallon per minute (3.8l/minute) delivery can be used. Before spraying, flush Xylol or Methyl Ethyl Ketone (MEK) solvent through the hoses and spray gun to prevent contamination. Coverage rate will vary depending upon surface porosity. One coat is usually sufficient for sealing of concrete and wood surfaces prior to top coating. Two coats may be required if the substrate is extremely porous or when the EPOSEAL 300 DPS is being used on its own as a floor sealer.

System compability

Eposeal 300DPS can be topcoated with EPOLOC 854HS,EPOLOC 8100, EPOLOC 8101, TERA KOTE 887, TERA KOTE 888,EPOCLAD 9700

DISTRIBUTED BY :



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Storage Condition

Temperature : 35°F(2°C) to (110°C)
Humidity : 0-100%

Packaging

U.S.Gallon(3.785 Li)

Clean-up

Spills: Build a dike to prevent scattering. Soak up with absorbent material such as sand or other nonreactive material. Place in non-leakage containers. Keep out of sewers, storm drains, surface waters, and soils.

Surface Clean: Wipe up wet material with absorbent cloths. If preferred scrub area with abrasive, water-based cleaner and flush with water. If approved, solvents such as TH 46 Thinner Cleaner, ketones (MEK, acetone, etc.), or adhesive remover can be used. Cured material can only be removed by mechanical means.

Skin: Use a non-toxic pumice-based soap, citrus-based hand cleaner, or waterless hand cleaner towel. Never use solvents to remove product from skin.

Disposal: Dispose of container and unused contents in accordance with national, and local regulations

Safety

THIS PRODUCT CONTAINS FLAMMABLE SOLVENTS. Use only in a well-ventilated area. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipment that has been grounded and bonded. Avoid prolonged or repeated breathing of vapor or spray mist. Approved (MSHA/NIOSH) chemical cartridge respirator should be worn by applicator. Avoid contact with eyes and contact with skin. For additional information on safety requirements, refer to OSHA guidelines.

**Keep away from heat, sparks and open flame and use necessary safety equipment such as air mask, non-sparkling tools and ladders, etc. When working in tanks, rooms and other enclosed spaces, adequate ventilation

KEEP OUT OF RECH OF CHILDREN

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND
LIMITATIONS ON OUR LIABILITY

We warrant 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 the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, 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 PARTICULAR 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,