



EpoSeal 100WB

WATER BASED EPOXY FLOOR SEALER

PRODUCT DESCRIPTION

EpoSeal 100 WB is a two component, low viscosity -high penetration water based epoxy resin, designed for use to prime and to seal properly prepared wood and concrete surfaces. EpoSeal 100WB features ease of application, very low odor and excellent overall coating performance.

The application thickness should be within 5-8 wet mils per coat depending on concrete porosity and surface profile.

This material cures blush free over a wide range of temperatures and adheres tenaciously to a variety of substrates including damp or wet concrete. Because of its affinity for moisture and inherent alkalinity resistance, EpoSeal 100WB may be used over green concrete with proper surface preparation.

PHYSICAL PROPERTIES

Composition:	Modified Bisphenol A epoxy resin crosslinked with a water soluble amine adduct.
Color:	Clear and standard colors
Solids content (by weight):	51%
Mix Ratio:	4A:1B
VOC Content:	50 grams/liter
Viscosity:	400-500 cps
Adhesion:	
To steel:	2,600 psi (ASTM D-4541)
To concrete:	350-400 psi (concrete fails) (ACI-COMM #403)
Pot life:	2-3 hours at 77 Degrees
Cure Times (77 degrees)	
Dry to Touch	2 hours
Recoat	12-18 hours
Light Traffic	18-24 hours
Full Cure	7 days

MIXING INSTRUCTIONS

Mix only that amount of material that can be used in a 2-3 hour period. In very hot weather it is advisable to mix smaller batches to ensure good flow and workability. Because color change can occur as mixed material advances into its pot life, when using as a pigmented finish coat, mix only that amount of material than can be used in 1 hour. Premix Part A before blending with Part B.

QUICK GUIDE



TYPICAL USES

EpoSeal 100WB is used as a general purpose coating for concrete floors and as a primer under epoxy, polyurethane and acrylic materials. EpoSeal 100WB is recommended for coating warehouse and factory floors, coating automotive repair facilities, residential garage floors and for many other commercial and industrial maintenance applications. Because of its ease of application, EpoSeal 100WB is an excellent choice for do-it-yourself floor coating projects.

ADVANTAGES

- Fast Curing
- Excellent penetration and adhesion to concrete.
- Low odor
- Low viscosity
- Easy to apply
- Complies with VOC regulations in all areas
- High coverage rates.
- No blushing
- Moisture tolerant

COVERAGE

EpoSeal 100WB is applied at 200-350 square feet per gallon to yield 5-8 mils WFT.

COLORS

EpoSeal 100WB is available in all standard colors, plus clear.

Combining ratio is 4 Parts A to 1 Part B. Proportion the amounts carefully and mix for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel. 15-20% water must be added to achieve a low application viscosity. A common mixing ratio is 4A:1B:1 water.

APPLICATION RECOMMENDATIONS

EpoSeal 100WB is normally applied 200-350 sq. ft. per gallon by brush, roller or airless spray. If using as a primer and trapped air in the substrate creates bubbles, continued rolling will cause them to disappear. EpoSeal 100WB should normally be recoated after an overnight cure period.

However, if conditions are very cool and/or damp, 48 hours cure time should be allowed before recoating. If the product cures longer than 72 hours, the surface should be lightly sanded before recoating. When using a pigmented finish coat, keep a "wet edge" and do not attempt to roll over material that has begun to set as a change in color will result.

Clean up: Clean skin with soap and water. For equipment use clean water followed by MEK or proprietary epoxy solvent

CHEMICAL RESISTANCE

See EuroCoat's, Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed.

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, EuroCoat recommends products or system to be test in accordance with intended end use.

HANDLING

For information on proper handling the product, read the MSD sheets.

LIMITATIONS

Not recommended as a clear top coat in decorative applications.

Not suitable for applications with constant temperatures over 175°F

Exterior pigmented applications will show chalking.

Exterior clear applications are not recommended.

Acid etched surfaces must be thoroughly rinsed before coating.

Not recommended for use over acid stain.

WAREHOUSING

- Do not expose material to direct sunshine or heat.
- EuroCoat products must be stored in a cool and dry location. Do not allow resins to freeze.
- Warehousing temperature must be between 15-32 °C (60-90 °F). Keep the material in its original packaging.
- Shelf Life: One year from date of manufacture when stored under proper conditions. Keep the material in its original packaging.

SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is 0.6 on level surfaces and 0.8 on ramps. EuroCoat Systems recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions.

It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. EuroCoat Systems or its sales agents will not be responsible for injury incurred in a slip and fall accident.

For information on proper handling the product, read the MSD sheets.

TESTING

The technical data contained herein is the result of tests made in EuroCoat's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices.

Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results. Alkalinity are present before applying any coatings.

GENERAL INFORMATION

Moisture Vapor Emissions/Alkalinity Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. These test kits are available from EuroCoat Systems. EuroCoat Systems and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

WARNINGS

EuroCoat products are guaranteed against defective materials and manufacture and are sold subject to our standard Warranty, Terms and Conditions of Sale, copies of which can be obtained on request.

Warranty does not cover suitability, fit for purpose or any consequential or related damages.

Please review warranty in detail before using this product.

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