

EPO-ROK® TOP DRESSING

Technical Data Sheet

DESCRIPTION:

A two-component, 100% solids, thixotropic, epoxy based top dressing for use with Epo-Rok® Flooring systems. Available in clear and 18 additional colors when used with Epoxy Color Add.

USES:

Designed for use as a top dressing over the EPO-ROK® FLOORING systems to enhance abrasion and chemical resistance. It can be applied as a stand alone coating.

ADVANTAGES:

- Thixotropic - will not drain into porous areas
- 100% solids system - low odor
- Excellent UV light resistance
- Good chemical and wear resistance
- Fast curing - minimum downtime

PACKAGING:

The EPO-ROK® TOP DRESSING is packaged in pre-proportioned kits for error-free jobsite mixing and application.

Each kit consists of one gallon can of Part "H" Hardener and one 5-gallon pail, short filled, of Part "R" Resin.

COVERAGE:

Approximately 450-600 sq. ft. coverage per kit at 6 mils over relatively tightly finished EPO-ROK® FLOORING system. The actual coverage will be determined by the texture of the epoxy flooring being top coated and how tightly the Top Dressing is applied to the surface.

LIMITATIONS:

Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.valsparflooring.com.

Proper material application is the responsibility of the user. Site visits made by Valspar personnel are for making technical recommendations only and not for supervising or providing quality control.

SURFACE PREPARATION:

In general, the surface to be resurfaced must be clean, sound, dry and above 60°F to assure a successful installation. All oil, grease, wax, laitance and other surface contaminants must first be thoroughly removed.

GENERAL PRODUCT DATA:

Available Colors: Clear . Other colors available with use of Epoxy Color Add
 Coverage: 450-600 sq. ft. per kit
 Thickness: Typically 7-4 mils
 Mixing Method: Low speed with "jiffy" mixer
 Application: 10" flat blade squeegee and 3/8" nap
 Method: Dynel roller.
 Pot Life: 30 minutes @ 75°F.
 Thinner: NOT RECOMMENDED
 Cure Rate: 8-10 hrs. - Foot Traffic
 18-24 hrs. - Medium Loads
 48+ hrs. - Heavy Loads or Chemical Resistance.
 Shelf Life: Two years in unopened containers

TYPICAL PHYSICAL PROPERTIES:

TYPE TEST	TEST METHOD	TYPICAL VALUE
Hardness	ASTM D-2240	82-85
Shore D Durometer		
Bond Strength	ACI COM #403(pp. 1139-1141)	400+ psi (100% concrete failure)
Abrasion Resistance (CS-17 Wheel, 1000 gm load, 1000 cycles)	ASTM D-1044	29 mg max
Flammability	ASTM D-635	Self Extinguishing

Above typical values based on 7 days cure @ 75

Over existing Epo-Rok® Flooring, the area must be cleaned with a heavy-duty industrial detergent, such as PC-40 DYNOMITE. After scrubbing, flush off the cleaning residues thoroughly.

1. Remove as much water as possible with a good wet/dry vacuum. Allow the surface to dry completely before attempting to apply the Top Dressing.
2. For application to a newly installed epoxy flooring, make sure the surface has cured sufficiently and is 60°F or higher.

STANDARD TESTS:

Refer to the standard test methods below for further information.

ASTM D 4258-83	Standard Practice for Surface Cleaning Concrete for Coating
ASTM D 4259-83	Standard Practice for Abrading Concrete
ASTM D 4260-83	Standard Practice for Acid Etching Concrete
ASTM D 4262-83	Standard Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces

MIXING:

It is important to remember that this coating has a limited pot life. Therefore, make sure everything is in order before starting the mixing sequence.

For application to an existing Epo-Rok Floor, it is recommended that a pigmented rather than a clear Top Dressing be used to help eliminate any shading which may have occurred.

Color Additives: If color is desired, the appropriate Epoxy Color Additive is added to the "Color Base" Part "R" Resin at the rate of 1 quart per large batch for all colors except for white, yellow or bright red. These will require 2 quarts per batch. Mix these with the "Color Base" Resin at low speed avoiding air entrapment then follow steps below.

1. Carefully empty the contents of the Part "H" Hardener entirely into the can of Part "R" Resin. The Part "R" container is oversized to allow for easy mixing.
2. Mix with a very low speed jiffy mixer, until completely blended. This will take about 2 to 3 minutes. Be careful not to introduce any air bubbles while mixing. Make sure the contents are completely mixed to avoid any weak or partially cured spots in coating.
3. Since this product does not need any induction time, it can be used immediately after thorough mixing.

APPLICATION:

This product should be applied immediately to the Epo-Rok® Flooring.

1. Immediately pour the mixed contents onto the floor in the form of a bead and spread tightly over the surface using a 10-12" rubber squeegee. The topcoat should be applied at the rate of approximately 450-600 sq. ft. per batch.
2. Then, using a good quality 3/8" nap solvent resistant roller cover, remove any lap marks in the coated surface by back rolling lightly.

3. This product is designed for use as is and therefore thinning or reducing with solvents is not recommended. Also do not mix less than full batch quantities.

POT LIFE:

The pot life on this product is approximately 30 minutes at 75°F. **High temperature and high humidity will accelerate curing and pot life.** Since this is not a solvent-based system, the pot life is relatively short. Do not mix more material than can be used within this period.

CURE TIMES:

The floor area should be maintained at a temperature range of 60°F or less than 90°F during application and curing. At 75°F, the coated areas should be ready for foot traffic in 8-10 hours and light to medium traffic in 18-24 hours. For heavy-wheeled traffic and/or chemical spillages, allow a minimum of 48 hours cure.

CRITICAL RECOAT TIME:

It is important to apply subsequent coats or other topcoats within 12 to 24 hours (under normal drying conditions). If the Epo-Rok® Top Dressing cures longer than the 24 hours before subsequent recoats, screening is required.

CLEAN UP:

Equipment should be cleaned immediately after use with soap and water or UR-9 MCU THINNER.

REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER SAFETY AND HANDLING INFORMATION.

**See individual labels for more caution statements.
KEEP OUT OF THE REACH OF CHILDREN.**

DISPOSAL:

Dispose in accordance with federal, state, and local regulations. Use licensed hazardous waste company.

Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

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