



**EPOXYSHIELD®
2-PART CONCRETE RESURFACER**

DESCRIPTION AND USES

EpoxyShield® Concrete Resurfacer is a two-component water-based cementitious coating designed to restore aged, spalled, patched, and cracked concrete surfaces that are in good sound condition and free of curing agents and sealers. It is ideal for use on garages, driveways, basements, porches, patios, and walkways. It is not intended for use on asphalt, previous coatings, or floors that have a moisture problem. This product will fill in small cracks and spalled areas, but is not intended to be a substitute for EpoxyShield Patch and Repair.

PRODUCTS

SKU	Description
N246350	Concrete Resurfacer

APPEARANCE

Natural concrete colour

PACKAGING

Professional Floor Coating is available as a kit
 3.78 liters (1-gallon/128 fluid ounces) of liquid polymer
 Mortar mix: 9.43 kg. (20.8 lbs) bag
 1 metal mixing blade

PRODUCT APPLICATION

SURFACE PREPARATION

Allow new concrete to cure for a minimum of 28 days. Sweep away all loose dirt and debris. Remove any oil spots, grease or spills and wash the floor with EpoxyShield Heavy-Duty Cleaner or a suitable detergent. Thoroughly rinse the concrete surface. If necessary, use a wire brush to remove any loose or unsound concrete or masonry.

PRODUCT APPLICATION (cont.)

MIXING

Pour the entire liquid polymer into a clean 5-gallon pail. Do not add water. Using a 10 mm (3/8") drive power drill and metal mixing blade; slowly add the dry mortar blend while mixing at low speed. It is critical to add the entire dry mortar blend, and then continue mixing at a higher speed until the mix is a smooth paste with no lumps. When mixing is completed, allow the material to set for the appropriate induction period. The induction period will vary depending on ambient air temperature, see chart on page 2. Mix again just prior to application. The mixture must be used within 1-2 hours after mixing based on temperature.

APPLICATION

Apply only when air, material, and surface temperatures are between 13-32°C (55-90°F) and the surface temperature is at least 3°C (5°F) above the dew point. The relative humidity should not be greater than 85%. Do not apply outdoors if rain is expected within 12-18 hours. Prior to applying the Concrete Resurfacer, lightly mist the surface with clean fresh water from a pump sprayer. Surface should be damp, but not wet. Avoid puddles. Remove pooled water with a squeegee to avoid leaving puddles.

After the appropriate induction period (see chart) the mixture will begin to thicken. Remix for 1-3 minutes. Use a high quality 10mm (3/8") nap roller cover and a 24 cm (9.5") roller frame to apply an even coat of EpoxyShield Concrete Resurfacer onto the surface, dipping the roller cover directly into the 5-gallon pail. Apply in 1.2x1.2m (4x4 foot) sections at a time using long smooth strokes. Maintain a wet edge during application. EpoxyShield Concrete Resurfacer must be used within 1 to 2 hours of initial mixing.

EpoxyShield Concrete Resurfacer provides a clean, naturally-textured finish. For protection against staining and dirt pick-up, Rust-Oleum Concrete Sealer (sold separately) is strongly recommended. For high traffic areas, Rust-Oleum EpoxyShield coatings may be applied after 24 hours.

CLEAN-UP

When finished, wash tools and equipment with warm soap and water. Clean up dried polymer IMMEDIATELY with xylene or acetone as dried paint is very difficult to remove. Properly dispose of all roller covers and soiled rags.

**TECHNICAL DATA****EPOXYSHIELD® 2-PART CONCRETE RESURFACER****INDUCTION TIME AND POT LIFE**

If temperature is 13-21°C (55-70°F)	
<u>Start rolling:</u>	30 minutes after mixing
<u>Use all mixed product within (pot life)</u>	120 minutes after mixing
If temperature is 22-27°C (71-80°F)	
<u>Start rolling:</u>	20 minutes after mixing
<u>Use all mixed product within (pot life)</u>	90 minutes after mixing
If temperature is 27-32°C (81-90°F)	
<u>Start rolling:</u>	10 minutes after mixing
<u>Use all mixed product within (pot life)</u>	60 minutes after mixing

DRY TIMES

Temperature	Relative Humidity	Tack Free	Recoat	Light Foot Traffic	Heavy Items Normal Foot Traffic	Vehicle Traffic
21°C (70°F)	50%	8-10 hours	16-72 hours	16 hours	24 hours	4 days
10°C (50°F)	50%	14-24 hours	72-96 hours	48 hours	72 hours	12 days



TECHNICAL DATA

EPOXYSHIELD® 2-PART CONCRETE RESURFACER

PHYSICAL PROPERTIES

		2-PART CONCRETE RESURFACER	
Resin Type		Modified Acrylic	
Solvents		Mineral Oil, Water, Liquid Polymer	
		Liquid Polymer	Mortar Mix
Weight*	Per Gallon	8.6 4 lbs.	29.2 lbs.
	Per Liter	1.0 kg	3.5 kg
Solids*	By Weight	25.1%	100%
	By Volume	23.2%	100%
Volatile Organic Compounds*		<250 g/l (2.1 lbs./gal.)	
Mixing Ratio		Add all mortar mix to the polymer	
Recommended Dry Film Thickness (DFT) Per Coat		Will depend on the texture created by the application	
Practical Coverage at Recommended DFT (assumes 15% material loss)		Approximately 23 m ² /l (125 sq.ft./kit) for 2 coats	
Induction Period		Varies with temperature – see chart in directions	
Pot Life @ 70-80°F (21-27°C) and 50% Relative Humidity		Varies with temperature – see chart in directions	
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Light Traffic	8 hours	
	Heavy Traffic	24 hours	
	Vehicle Traffic	4 days	
Shelf Life		5 years	
Flash Point		Binding Polymer >93°C (200°F)	
Safety Information		For additional information, see SDS	

Calculated values are shown and may vary slightly from the actual manufactured material.

*Activated material

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