



## STARSEAL® EF EPOXY

### INSTRUCTIONS FOR USE

#### APPLICATION

- Surfaces must be primed with **StarSeal EF Primer** and should be allowed to dry for at least 4 hours for existing and 72 hours for new concrete prior to application of StarSeal EF Epoxy. Product use instructions for StarSeal EF Primer must be followed before use of this product.
- Large cracks, repair using **Powercoat Epoxy Joint Sealant**.
- The coating is supplied in two parts, A and B, which are mixed together just prior to use.
- Separately mix with a Jiffy mixer the individual contents of each until uniform in consistency. When this is done, mix part B into part A.
- The product is supplied at the proper consistency for application and dilution will reduce efficiency.
- Same lot numbers should be used throughout the project. If lot numbers differ box-mix prior to use. If two different lots are used, apply a final thin coat to the entire area.
- Apply by industrial paint sprayer, lambs wool applicator or roller. If applying by roller for best results use Vexcon's **EvenFlow Applicator** or ¼" nap mohair solvent roller.
- Use a roller pan to take off excess product. Do not dip and roll or pour and spread
- If using a roller do not overwork the material. Coat in one lapping direction only, overworked material can affect the film properties.
- The mixed material has a pot life of approximately 4 to 6 hours.
- Two coats are required, second coat can be applied after the first coat has thoroughly dried. The dry time is dependent on temperature, air flow, film thickness and concrete conditions not a specific number of hours. Do not put on a second coat if the first coat is not dry.**
- To protect your Powercoat floor from ongoing construction dust, dirt and debris, use **Certi-Vex Talc Release** until construction is completed.
- Clean application equipment daily with **Certi-Vex Equipment Cleaner**, then flush with water.
- To improve non-slip profile use **Certi-Vex Grip** or **Certi-Vex Epoxy Non-Slip Additive**.
- For a unique and custom floor use **Certi-Vex Deco Chips**.

#### SPECIAL NOTES

- StarSeal EF Epoxy has splash and immersion resistance to many chemicals and can be used in areas where splashed materials will be removed in reasonable times, usually 4-24 hours. For immersion test information, see product data sheet. Do not use in constant immersion applications without consulting with Vexcon Chemicals first if chemical is not on list.
- Do not apply when surface temperatures are below 60° F (15° C) or above 85° F.(29° C).
- Do not induct.
- Keep from freezing
- Mechanically mix well before each use
- Coating when adverse weather conditions are expected within 12 to 24 hours of application should be avoided
- Do not apply to frozen, frost or snowy surfaces
- Do not apply epoxy coating on windy days
- Do not apply more than one coat without proper surface preparation including surface abrasion after full cure.
- Do not use spiked shoes during application.
- A second coat can be applied after 6 hours and within 48 hours without abrading the surface.
- Maintenance – clean regularly with **StarSeal EF Super Degreaser & Cleaner**
- For use by experienced applicators.
- Store at room temperature
- A semi-gloss/matte finish will develop in 7 days if using clear semi-gloss matte.
- If properly stored in its original sealed container, one year. Rotate stock.

#### COVERAGE RATES/ESTIMATING

Apply StarSeal EF Epoxy at 150-250 sq.ft./gal (3.8-6.3 m<sup>2</sup>/L) depending on desired film thickness and porosity of concrete. Calculated dry film thickness is based on one coat.

	<u>Surface</u>	<u>Coverage Rate</u>	<u>Final Film Thickness</u>
• <b>StarSeal EF Primer</b>		Note: After application surface must have an <u>even</u> sheen	
		<u>First Coat</u> 200sq.ft./gal.	<u>Second Coat</u> 300sq.ft./gal.
			120 sq.ft./gal. 3 mils (76µm) DFT
		<u>First Coat</u> 300sq.ft./gal.	<u>Second Coat</u> 400sq.ft./gal.
	Hard, Non-porous		
			170 sq.ft./gal. 2 mils (51µm) DFT
• <b>StarSeal EF Epoxy</b>		<u>First Coat</u> 300sq.ft./gal.	<u>Second Coat</u> 300sq.ft./gal.
	Porous		
			150sq.ft./gal. 6.5 mils (165µm) DFT
		400sq.ft./gal.	400sq.ft./gal.
	Hard, Non- Porous		
			200sq.ft./gal. 5 mils (127µm) DFT
		500sq.ft./gal.	500sq.ft./gal.
	Hard, Non-Porous		
			250sq.ft./gal. 4 mils (101µm) DFT

