

8000 EPOXY PRIMER

2K Solvent Based Epoxy Primer (Low Solids)

PRODUCT DESCRIPTION

8000 Epoxy Primer is a specially formulated, low viscosity, two component, solvent based epoxy primer. This product provides excellent substrate penetration and is a suitable primer for most epoxies, urethanes, polyureas and polyaspartic polyureas.

BENEFITS/FEATURES

- ◆ Excellent substrate wetting and penetration
- ◆ Superior adhesion strength for a bond coat or dustproof
- ◆ Fast cure system with reduced recoat times
- ◆ Low Viscosity

RECOMMENDED APPLICATIONS

8000 Epoxy Primer is recommended for priming properly prepared concrete or masonry surfaces in commercial, retail, and high traffic areas. Excellent for wall and floor coatings, institutional coatings and heavy duty maintenance coatings.

TECHNICAL INFORMATION

Abrasion Resistance.....28.1 mg loss <small>(Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)</small>	Mix Ratio (a/b volume).....1 to 1
Gloss 60°.....80+	Coverage (3-5 mils dft.).....275-350 sq. ft./ga
Flexibility (1/8" Mandrel).....Pass	Viscosity.....200 - 350 cps
Solvent Resistance.....Excellent	Pot Life.....3 - 5 hours
Solids % Weight (Federal Spec. TTP-141B).....40%	Dry Time-Set to Touch (50% R.H. @ 72° F).....2 - 3 hours
VOC400 grams/ltr	Dry Time-Recoat (50% R.H. @ 72° F).....3 - 6 hours
	Dry Time-Light Traffic (50% R.H. @ 72° F).....10 - 16 hours
	Dry Time-Full Cure (heavy traffic) (50% R.H. @ 72° F).....2 - 7 days
	Application temperature.....50-90 degrees F with relative humidity below 75%

CHEMICAL RESISTANCE

Acetic Acid 5%	A	50% Sodium Hydroxide	D
Xylene	B	10% Sulfuric Acid	C
MEK	A	10% Hydrochloric Acid	C
Gasoline	B	20% Nitric Acid	A
10% Sodium Hydroxide	E	Ethylene Glycol	C

Rating key: A = not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

PRODUCT STORAGE

Store product in an area so as to bring the material to room temperature within the recommended application temperature range before applying. Long term storage should be between 60 and 90 degrees F.

SHELF LIFE

8000 Epoxy Primer has a shelf life of at least one year in it's original, sealed, unopened container.

PACKAGING

8000 Epoxy Primer is packaged in 2 gallon and 10 gallon kits.

SURFKOAT™

SURFACE KOATINGS, INC.

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EPOXIES, URETHANES, ETC.

8000 Epoxy Primer

INSTRUCTIONS FOR USE

SURFACE PREPARATION: For a thin film build system (3-10 mils) we suggest either mechanical scarification, acid etching (and then neutralize to 7 PH), or diamond grinding until an appropriate profile is accomplished. For a high build system (over 10 mils), we suggest a fine brush blast (shot blast). To ensure adequate adhesion, the substrate must be free of all dirt, oil, dust, laitance and foreign contaminants. Prior to application a test should be made to determine that the concrete has an acceptable vapor barrier. This can be done by placing a 4' X 4' plastic sheet on the substrate and completely taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause loss of adhesion. Adhesion tests are recommended prior to using.

PRODUCT MIXING: Pour a full pre-packaged kit of 1 part of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Solvent Based two part systems need to be mixed well for adequate cure and a streak free finish. Allow the material to induct for 10 - 20 minutes to help reduce the possibility of an epoxy blush. Note: If applying at temperatures below 60° F allow 20—30 minutes induction time to reduce the risk of epoxy blush.

PRODUCT APPLICATION: Apply the mixed material by spray, brush or a roller with a 1/4" nap - 3/8" nap shedless roller cover within the usable pot life time frame, as well as the recommended temperature and relative humidity guidelines listed in the Technical Information section. If continuous outgassing in the concrete is causing bubbles, re-roll the material using a cross rolling method before the material cures to reduce or eliminate air entrapment. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to Puddle! If recoating after 24 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

PLEASE NOTE: Applying 8000 Epoxy Primer outside of the suggested parameters may result in job failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc.

CLEAN-UP

Use MEK. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Dried, cured epoxy coatings may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shot blasting, etc.

PRECAUTIONS AND LIMITATIONS

- ▶ All new concrete must be cured for at least 28 days prior to application.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **8000 Epoxy Primer** should be applied in thin coats. Do not puddle.
- ▶ Be aware that this product may be slippery when wet. Anti Slip additives may be needed to reduce surface slip hazards.
- ▶ **8000 Epoxy Primer** may darken the surface of many new and existing concrete substrates. Test prior to use.
- ▶ Product will yellow in the presence of UV light or other forms of light such as sodium vapor lighting.
- ▶ Physical properties listed on this technical data sheet are typical values not specifications.

•• If applying over an existing coating, proper adhesion and compatibility tests are essential. In this application the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility. Surface Koatings, Inc. offers no guaranty, warranty or other claims to the success or results of the job in this circumstance.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-773-1616.

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