



SATINGLAZE SERIES N285

PRODUCT PROFILE

GENERIC DESCRIPTION	Modified Polyamine Epoxy
COMMON USAGE	A clear finish with an orange peel texture for diffusing light and reducing glare. Used as an optional finish for decorative color quartz or flake-filled flooring systems. It protects concrete surfaces from impact and abrasion and has excellent chemical resistance with an aesthetically pleasing appearance. Coves and Vertical Surfaces: Series N285 can be used to build grout and seal vertical surfaces such as 4" base and wainscot.
COLORS	Clear. Note: Epoxies chalk and yellow with age, extended exposure to UV and artificial lighting. Caution should be taken when selecting white and light pastel colors. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause amine blush, possibly affecting adhesion of subsequent topcoats.
FINISH	Gloss - Orange Peel
SPECIAL QUALIFICATIONS	Series N285 meets the requirements of LEED-Low-Emitting Materials, Collaborative for High-Performance Schools-Paints & Coatings, WELL Building Standard-VOC Restrictions, and Living Building Challenge-Healthy Interior Performance. Contact your Tnemec representative for more information.

COATING SYSTEM

INTERMEDIATE	Series N284. Note: Series N222, N223, N224, should be coated with N285 only after a grout coat of N284 has been applied.
TOPCOATS	Series 247, 248, 296

SURFACE PREPARATION

ALL SURFACES	Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations. Must be clean, dry and free of oil, grease and other contaminants.
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TECHNICAL DATA

VOLUME SOLIDS	100% (mixed)												
RECOMMENDED DFT	4.0 to 6.0 mils (100 to 150 microns) per coat.												
CURING TIME	<table border="1"> <thead> <tr> <th>Temperature</th> <th>To Recoat</th> <th>To Place in Service</th> </tr> </thead> <tbody> <tr> <td>75°F (24°C)</td> <td>12-72 hours</td> <td>24 hours</td> </tr> </tbody> </table>	Temperature	To Recoat	To Place in Service	75°F (24°C)	12-72 hours	24 hours						
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VOLATILE ORGANIC COMPOUNDS	Note: This product is not normally topcoated, but should there be a reason and more than 72 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating.												
THEORETICAL COVERAGE	Unthinned: 0.17 lbs/gallon (20 grams/litre)												
NUMBER OF COMPONENTS	1,604 mil sq ft/gal (36.2 m ² /L at 25 microns). See APPLICATION for coverage rates.												
MIXING RATIO	Two: Part A and Part B												
PACKAGING	By volume: two (Part A) to one (Part B)												
NET WEIGHT PER GALLON	<table border="1"> <thead> <tr> <th></th> <th>PART A</th> <th>PART B</th> <th>When Mixed Yield</th> </tr> </thead> <tbody> <tr> <td>Large Kit</td> <td>2-5 gallon pails</td> <td>1-5 gallon pail</td> <td>15 gallons (56.8 L)</td> </tr> <tr> <td>Small Kit</td> <td>2-1 gallon cans</td> <td>1-1 gallon can</td> <td>3 gallons (11.4 L)</td> </tr> </tbody> </table>		PART A	PART B	When Mixed Yield	Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons (56.8 L)	Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons (11.4 L)
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STORAGE TEMPERATURE	9.27 ± 0.25 lbs (4.20 ± 0.11 kg) (mixed)												
TEMPERATURE RESISTANCE	Minimum 40°F (4°C) Maximum 90°F (32°C) Prior to application, the material temperature should be between 70°F and 90°F (21°C and 32°C).												
FLASH POINT - SETA	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)												
HEALTH & SAFETY	12 months at recommended storage temperature. >230°F (110°C) This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. Keep out of the reach of children.												

APPLICATION

COVERAGE RATES	<table border="1"> <thead> <tr> <th>Dry Mil (Microns)</th> <th>Wet Mil (Microns)</th> <th>Sq Ft/Gal (m²/Gal)</th> </tr> </thead> <tbody> <tr> <td>4.0-6.0 (100-150)</td> <td>4.0-6.0 (100-150)</td> <td>401-267 (37.3-24.8)</td> </tr> </tbody> </table>	Dry Mil (Microns)	Wet Mil (Microns)	Sq Ft/Gal (m ² /Gal)	4.0-6.0 (100-150)	4.0-6.0 (100-150)	401-267 (37.3-24.8)
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MIXING	Allow for surface irregularities and waste. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry mil thickness may adversely affect coating performance. Use a variable-speed drill with a PS Jiffy blade. Slowly mix 2 parts A component, and while under agitation, add 1 part B component and mix for a minimum of two minutes. Ensure that all Part B is blended with Part A by scraping the pail walls with a flexible spatula. Note: A large volume of material will set up quickly if not applied or reduced in volume. Caution: Do not reseal mixed material. An explosion hazard may be created.
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THINNING	Normally not required.
POT LIFE	25 to 30 minutes at 75°F (24°C) Material temperatures above 90°F (32°C) will significantly reduce the pot life.
APPLICATION EQUIPMENT	Brush, roller, squeegee, trowel. Squeegee or trowel and backroll. Brush small areas only.
SURFACE TEMPERATURE	Minimum of 55°F (13°C), optimum 65°F to 80°F (18°F to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.
MATERIAL TEMPERATURE	For optimum application, handling and performance, the material temperature during application should be between 70°F and 90°F (21°C and 32°C). Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and shorten pot life.
CLEANUP	Flush and clean all equipment immediately after use with xylene or MEK.

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