

DECO-CLEAR SERIES N284

PRODUCT PROFILE

GENERIC DESCRIPTION	Modified Polyamine Epoxy
COMMON USAGE	A low ambering, multi-purpose epoxy coating with enhanced UV stability and resistance to yellowing. Series N284 is a clear finish for decorative flooring systems. It protects concrete surfaces from impact and abrasion and has excellent chemical resistance with an aesthetically pleasing appearance.
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. The texture of the finished surface depends on the number of coats applied.
SPECIAL QUALIFICATIONS	Series N284 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 TOPCOATS	Series N222, N223, N224, 237, 238 Series 247, 248, N284, N285, 296
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SURFACE PREPARATION

ALL SURFACES	Must be clean, dry, and free of oil, grease, and other contaminants. If being applied over an existing system, the surface must be thoroughly scarified or mechanically abraded.
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TECHNICAL DATA

VOLUME SOLIDS	100% (mixed)
RECOMMENDED DFT	As an Intermediate or Topcoat: 8.0 to 16.0 mils (205 to 405 microns) per coat.

CURING TIME

Temperature	To Topcoat	To Place in Service
75°F (24°C)	12-72 hours	24 hours

Note: If more than 72 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating. Curing time varies with surface temperature, air movement, humidity, and film thickness.

VOLATILE ORGANIC COMPOUNDS

Unthinned: 0.13 lbs/gallon (15.0 grams/litre)
Thinned 5% (No. 2 Thinner): 0.46 lbs/gallon (56.0 grams/litre)

THEORETICAL COVERAGE

1,604 mil sq ft/gal (39.4 m²/L at 25 microns). See APPLICATION for coverage rates.

NUMBER OF COMPONENTS

Two: Part A and Part B (2 Parts A component to 1 Part B component by volume)

PACKAGING

	Part A	Part B	Yield (mixed)
Extra Large Kit	2-55 gallon drums	1-55 gallon drum	165 gallons (624.5 L)
Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons (56.7 L)
Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons (11.3 L)

NET WEIGHT PER GALLON

9.18 ± 0.25 lbs (4.16 ± 0.11 kg) (mixed)

STORAGE TEMPERATURE

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).

TEMPERATURE RESISTANCE

(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHELF LIFE

12 months at recommended storage temperature.

FLASH POINT - SETA

>230°F (110°C)

HEALTH & SAFETY

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

Intermediate or Topcoat: 8.0 to 16.0 dry mils (205 to 405 microns) 8.0 to 16.0 wet mils (205 to 405 microns) 100 to 201 sq ft/gal (9.3 to 18.6 m²/gal). Allow for surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below the minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

MIXING

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.

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.

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SURFACE TEMPERATURE	Minimum of 55°F (13°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point.
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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