



# DECO-CLEAR® CR SERIES 286

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Modified Novolac Polyamine Epoxy

**COMMON USAGE** A clear novolac finish for decorative flooring systems. It protects against harsh chemicals, impact and abrasion, providing a skid-resistant or smooth finish depending on the number of coats.

**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. **Caution: Novolacs will stain with extended exposure to certain acids.**

**FINISH** Gloss. The texture of the finished surface depends on the number of coats applied.

## COATING SYSTEM

**INTERMEDIATE TOPCOATS** Series 222, 223, 224, 237, 238, 239  
Series 286

## SURFACE PREPARATION

**ALL SURFACES** Prepare surfaces by method suitable for exposure and service. Refer to the StrataShield Installation and Application Guide for floors or primer product data sheet for specific recommendations.  
Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

**VOLUME SOLIDS** 100% (mixed)  
**RECOMMENDED DFT** As a finish coat: 8.0 to 12.0 mils (205 to 305 microns) per coat.

**CURING TIME**

Temperature	To Topcoat	To Place in Service	Full Cure
75°F (24°C)	12-24 hours	24 hours	5 days

If more than 24 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating. **Note:** 24 hour cure provides for traffic, secondary containment and certain mild chemical exposures. Up to five days cure is required for certain severe chemical exposures. Contact your Tnemec representative or Tnemec Technical Services. Curing time varies with surface temperature, air movement, humidity and film thickness.

**VOLATILE ORGANIC COMPOUNDS**

**Unthinned:** 0.013 lbs/gallon (1.5 grams/litre)  
**Thinned 5% (No. 2 Thinner):** 0.47 lbs/gallon (56.0 grams/litre)

**HAPS**

**Unthinned:** 0.0 lbs/gallon solids  
**Thinned 5% (No. 2 Thinner):** 0.37 lbs/gallon solids

**THEORETICAL COVERAGE**

1,604 mil sq ft/gal (39.4 m<sup>2</sup>/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
Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons
Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons

**NET WEIGHT PER GALLON**

Touch-up/Repair Kit: Contact your Tnemec representative for more information.  
9.30 ± 0.25 lbs (4.22 ± .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 300°F (149°C) Intermittent 325°F (163°C)

**SHELF LIFE**

12 months at recommended storage temperature.

**FLASH POINT - SETA**

N/A

**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.**

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## APPLICATION

**COVERAGE RATES**

Before commencing, obtain and thoroughly read the StrataShield Installation and Application Guide for floors.

	Dry Mills (Microns)	Wet Mills (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
As a finish coat	8.0-12.0 (205-305)	8.0-12.0 (205-305)	160-240 (14.9-22.3)

Allow for surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below 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. May thin up to 5% with No. 2 Thinner.

**POT LIFE**

25 to 30 minutes at 75°F (24°C)

Increasing material temperatures will significantly reduce the pot life.

**APPLICATION EQUIPMENT**

Brush, roller, squeegee, trowel. Squeegee or trowel and backroll. Brush small areas only. For detailed instructions refer to the StrataShield Installation and Application Guide for floors.

**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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