

**ANQUAMINE® 287** Curing Agent**DESCRIPTION**

Anquamine 287 curing agent is a water-based epoxy curing agent based on a Mannich base adduct specifically developed for concrete primer applications including green concrete. It is designed for use with standard liquid and modified liquid epoxy resins without the addition of emulsifiers.

Anquamine 287 curing agent based primers exhibit excellent adhesion to green concrete and penetration properties that out perform other conventional water-based curing agent technology.

Primer formulations have been tested according to ASTM 309 to meet the specifications as concrete curing compound. Unlike other concrete curing compounds the Anquamine 287 curing agent based primer does not need to be removed prior to the following coating application.

**ADVANTAGES**

- Excellent adhesion to green concrete
- Deep penetration into concrete
- Rapid drying
- Zero VOC
- Low viscosity

**APPLICATIONS**

- Primer/sealer on green concrete
- Deep penetrating primer for old and deteriorated concrete
- Primer for high density concrete

**SHELF LIFE**

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

**STORAGE AND HANDLING**

Refer to the Safety Data Sheet for Anquamine 287 curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Colour<sup>1</sup> (Gardner)</b>	max. 12
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	400-1,000
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	155-175
<b>Specific Gravity @ 25°C, [g/ml]</b>	1.08
<b>Total Solids Content, [wt %]</b>	49-51
<b>Equivalent Wt/{H}</b>	240
<b>Recommended use Level<sup>4</sup>, [PHR]</b>	125

**TYPICAL HANDLING PROPERTIES**

<b>Pot Life @ 20°C<sup>4</sup>, [min]</b>	60-75	
<b>Thin Film Set Time<sup>5,6</sup></b>	<b>Phase I @ 20°C, [h]</b>	1
	<b>Phase II @ 20°C, [h]</b>	2
	<b>Phase III @ 20°C, [h]</b>	5
<b>PersoZ Hardness<sup>6</sup></b>	<b>1 day @ 20°C</b>	110
	<b>7 days @ 20°C</b>	290

**TYPICAL PERFORMANCE PROPERTIES**

<b>Typical cure schedule</b>	2-7 days
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Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVT, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) BK Drying Recorder
- (6) With Epicox ER8 (EEW=195)

Epoxy Curing Agents and Modifiers

# ANQUAMINE<sup>®</sup> 287 Curing Agent

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