

## Product information

# ANQUAMINE<sup>®</sup> 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.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber liquid		
Colour	max 12	Gardner	ASTM D 1544-80
Viscosity @ 25°C	200-1000	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	155-175	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.08	g/ml	
Total Solids Content	48-52	wt %	
Equivalent	240	Wt/{H}	
Recommended use Level	125	PHR	With Bisphenol A diglycidyl ether (EEW=190)

### 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 HANDLING PROPERTIES

Property	Value	Unit	Method
Pot Life @ 20°C	65-70	mins	With Bisphenol A diglycidyl ether (EEW=190)
Thin Film Set Time Phase I @ 20°C	1	h	BK Drying Recorder With Epipes ER8 (EEW=195)
Thin Film Set Time Phase II @ 20°C	2	h	BK Drying Recorder With Epipes ER8 (EEW=195)
Thin Film Set Time Phase III @ 20°C	5	h	BK Drying Recorder With Epipes ER8 (EEW=195)
Persoz Hardness	110	1 day @ 20°C	With Epipes ER8 (EEW=195)
	290	1 day @ 20°C	With Epipes ER8 (EEW=195)

## TYPICAL PERFORMANCE PROPERTIES

Typical cure schedule: 2-7 days

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