

ANCAMINE® 2071 Curing Agent**DESCRIPTION**

Ancamine 2071 curing agent is a rapid-setting, phenol-free aliphatic polyamine. The product is capable of curing under cold, damp conditions and provides excellent bonds to various substrates.

ADVANTAGES

- Very fast property development at ambient and low temperatures
- Phenol-free
- High strength and modulus

APPLICATIONS

- Concrete repair mortars
- Adhesives
- Patch repair compounds
- Accelerator for other amine-based curing agents
- Coal tar extended epoxies

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2071 curing agent.

TYPICAL CURE SCHEDULE

- 2-7 days at ambient temperature.
- Gel at ambient temperature plus 2 hours at 212°F

TABLE 1: TYPICAL PROPERTIES

Appearance	Straw-Colored Liquid
Color (Gardner)	4
Viscosity @ 77°F (cP)	700
Amine Value (mg KOH/g)	506
Specific Gravity @ 77°F	1.018
Flash Point (closed cup) (°F)	448
Equivalent Wt/{H}	95
Recommended Use Level (phr, EEW=190)	50

TABLE 2: TYPICAL HANDLING PROPERTIES*

Gel Time (150g mix @ 77°F) (min)	8
Thin Film Set Time:	
@ 77°F (h)	2.0
@ 40°F (h)	3.5
Peak Exotherm (100g mix @ 77°F) (°F)	293
Peak Exotherm Time (min)	12

TABLE 3: TYPICAL PERFORMANCE*

(7 day cure @ 77°F)	
Glass Transition Temperature (°F)	132
Compressive Strength (psi)	15,600
Compressive Modulus (thousand (psi))	424
Flexural Strength (psi)	18,200
Flexural Modulus (thousand psi)	447
Tensile Strength (psi)	11,000
Tensile Modulus (thousand psi)	491
Tensile Elongation @ Break (%)	3.9
Heat Deflection Temp (ASTM D648-264 psi) (°F)	138
Barcol Hardness (Model GYZJ-935)	86
Bond Strength (mild steel to mild steel) (psi)	1,525

* Ancamine 2071 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

Epoxy Curing Agents and Modifiers

ANCAMINE® 2071 Curing Agent

EVONIK CORPORATION

7201 Hamilton Blvd.
Allentown, PA 18195
1 800 345-3148
Outside U.S. and Canada 1 610 481-6799

For Technical Information and Support:

Americas: picus@evonik.com
EMEA: apcse@evonik.com

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