

ANCAMINE® 2205 Curing Agent**DESCRIPTION**

Ancamine 2205 curing agent is an accelerated modified aliphatic amine curative intended for use with liquid epoxy resins in two-part ambient or low-temperature cure systems. It has been designed for use where rapid thin film cure or reduced temperature cure is required. It may also be used as an accelerator for other amine-based curing agents.

ADVANTAGES

- Very rapid cure and property development
- Fast low-temperature cure
- Phenol-free

APPLICATIONS

- Patch repair compounds
- Adhesives
- Accelerator for other amines

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2205 curing agent.

SHELF LIFE

At least 12 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.

Material may crystallize or solidify upon exposure to low temperatures. Crystallized or solidified material can be utilized after melting at elevated temperatures without impacting handling or physical properties. It is recommended that the material be heated to 50-70°C while mixing continuously for 1 hour. Once the solidified material has fully homogenized, it can be cooled to room temperature and utilized under normal conditions.

TYPICAL CURE SCHEDULE

2 to 7 days at ambient temperature.

TABLE 1: TYPICAL PROPERTIES

Appearance	Yellow Liquid
Color (Gardner)	4
Viscosity @ 77°F (cP)	3,600
Specific Gravity @ 77°F	1.05
Amine Value (mg KOH/g)	600
Equivalent Wt/{H}	95
Recommended Use Level (phr, EEW=190)	50

TABLE 2: TYPICAL HANDLING PROPERTIES

Gel Time (150g mix @ 77°F) (min)	6
Thin Film Set Time	
@ 77°F (h)	1.0
@ 40°F (h)	2.5
Peak Exotherm (100g mass) (°F)	338
Peak Exotherm Time (min)	11

TABLE 3: TYPICAL PERFORMANCE*

(Cured 7 days @ 77°F)	
Glass Transition Temperature (°F)	133
60° Film Gloss	73

* Ancamine 2205 curing agent formulated with Bisphenol-A based (DBEBA, EEW=190) epoxy resin.

Epoxy Curing Agents and Modifiers

ANCAMINE[®] 2205 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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