

ANCAMINE® 1110 Curing Agent**DESCRIPTION**

Ancamine 1110 curing agent is a technical grade of dimethylaminomethylphenol. It is similar to Ancamine K54 curing agent in its behavior as a catalyst, but is less reactive. Blends of Ancamine 1110 and Ancamine K54 curing agents provide intermediate reactivity.

ADVANTAGES

- Reduced reactivity variant of Ancamine K54
- Low viscosity

APPLICATIONS

- Cure catalyst in adhesives
- Accelerator for polyamide or amidoamine curing agents in coatings, castings, adhesives and civil engineering
- Catalyst for anhydride cures in castings and laminates
- Catalyst for epoxy/polysulfide cures

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 1110 curing agent.

TYPICAL CURE SCHEDULE

- 1) 1 hour at 176°F (80°C).
- 2) 1 hour at ambient temperature (polymercaptans).
- 3) 7 days at ambient temperature (polysulfides).

TABLE 1: TYPICAL PROPERTIES

Appearance	Pale Brown Liquid
Color (Gardner)	6
Viscosity @ 77°F (25°C) (cP)	20
Amine Value (mg KOH/g)	370
Specific Gravity @ 77°F (25°C)	1.03
Density @ 77°F (25°C) (lb/gal)	8.4
Flash Point (closed cup) (°F)	198
Typical Purity (%)	99.1
Recommended Use Level (phr):	
with liquid resin	5-15
as an accelerator	1-10
as a catalyst for anhydride, phenol and acid curing agents	0.5-2
as a catalyst for epoxy/polysulfide or polymercaptan cures	5-15

TABLE 2: TYPICAL HANDLING PROPERTIES

(15 phr loading)	
Pot Life [25g @ 77°F (25°C)] (min)	60

Epoxy Curing Agents and Modifiers

ANCAMINE[®] 1110 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

Disclaimer

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

