

ANCAMINE[®] 2875**Epoxy Curing Agent****DESCRIPTION**

Ancamine 2875 is a modified polyamine designed as a curing agent for diluted liquid epoxy resin, suitable for ambient and low temperature applications. This curing agent enables low temperature cure and ensures a fast return to service while providing an extended working time. The product does not contain solvents, alkyl phenol derivatives, and benzyl alcohol making it an ideal choice for low emission coating and flooring formulations.

TYPICAL PROPERTIES

| Property | Value | Unit | Method |
|-------------------------|---------------------|----------|---|
| Appearance | Clear, amber liquid | | |
| Color | <7 | Gardner | ASTM D1544 |
| Viscosity @ 25°C | 400 - 700 | cPs | ASTM D2196 |
| Amine Value | 555 - 600 | mg KOH/g | Perchloric acid titration |
| Specific Gravity @ 25°C | 1.01 | | |
| Amine Equivalent Wt/{H} | 95 - 110 | | |
| Recommended Use Level | 45 - 55 | phr | Bisphenol A diglycidyl ether resin (EEW=190)/Epodil 748 or Epodil 746 (90:10 by wt) or Bisphenol A diglycidyl ether resin (EEW=190)/Epodil 748 or Epodil 746/Epodil 749 (80:10:10 by wt) |

ADVANTAGES

- Outstanding moisture vapor barrier property
- Moisture tolerant
- Ultra fast cure at ambient and low temperature
- Rapid hardness development with extended working time
- Excellent adhesion to dry and damp concrete
- Does not contain nonylphenol and benzyl alcohol
- Low VOC and low emissions
- Enhanced EHS profile

APPLICATIONS

- Moisture vapor barrier
- Protective coatings
- Industrial flooring applications
- Pigmented and clear floor coatings
- Emission compliant formulations

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.

HANDLING PRECAUTIONS

Refer to the Safety Data Sheet.

TYPICAL HANDLING PROPERTIES

| Property | Value | Unit | Method |
|-----------------------------|-------------------------|------|----------------------------|
| Gel time (150 g mix) @ 25°C | 40-50 | m | Techne GT-3 Gelation Timer |
| Mix viscosity @ 25°C | 1200-1300* 600-800** | cPs | ASTM D2196 |
| Thin Film Set Time @ 23°C | 2.0-3.0 | h | ASTM D5895 |
| Thin Film Set Time @ 10°C | 4.5-5.5 | h | ASTM D5895 |

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TYPICAL FINAL PROPERTIES

| Property | Value | Unit | Method |
|---|-----------------------|------|------------|
| Carbamation resistance Day1/Day7 @ 23°C | 4-5/4-5 | | ISO 2812 |
| Carbamation resistance Day1/Day7 @ 10°C | 4-5/4-5 | | ISO 2812 |
| Shore D Hardness, Day1/Day7 @ 23°C | 85/87* 84/87** | | ASTM D2240 |
| Shore D Hardness, Day1/Day7 @ 10°C | 77/84* 65/83** | | ASTM D2240 |
| PersoZ Pendulum Hardness Day1/Day7 @ 23°C | 255-290* 205/275** | s | ASTM D4366 |
| PersoZ Pendulum Hardness Day1/Day7 @ 10°C | 135/220* 100/240** | s | ASTM D4366 |

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