

ANCAMINE® 2605 Curing Agent**DESCRIPTION**

Ancamine 2605 curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Ancamine 2605 curative offers exceptional cost in-use economics and a broad balance of chemical resistance and surface appearance properties. It also provides high mechanical build, rapid cure and is particularly suitable for lower temperature use.

BENEFITS

- Good chemical resistance
- Good low temperature cure

APPLICATIONS

- Non-color sensitive applications
- Industrial flooring, screeds, primers, grouts
- Cost sensitive applications
- High solids coatings
- Secondary containment

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 Ancamine 2605 curing agent.

TABLE 1: TYPICAL PROPERTIES

Appearance	Yellow Liquid
Color (Gardner) ¹	max 8
Viscosity @ 77°F [mPa.s] ²	100-400
Amine Value (mg KOH/g) ³	360-390
Specific Gravity @ 77°F	1.03
Equivalent Wt/{H}	95
Recommended Use Level [PHR] ⁴	50

TABLE 2: TYPICAL HANDLING PROPERTIES⁴

Gel Time (150g mix at 77°F), [mins] ⁵	40
Thin Film Set Time 77°F, [hr] ⁶	4.0
Shore D 68°F (24 hours) ⁷	76
Shore D 50°F (24 hours) ⁷	65
Typical cure schedule	2-7 days

TABLE 3: TYPICAL PERFORMANCE

Compressive Strength (psi) ⁸	11,300
Compressive Modulus (ksi) ⁸	300
Tensile Strength (psi) ⁹	8,500
Tensile Modulus (ksi) ⁹	80
Glass Transition Temperature, [°F] ¹⁰	134
Carbamation Test ¹¹	3

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield LVDV-II, Spindle 27
- (3) Perchloric Acid Titration
- (4) With 90:10 blend of Bisphenol A diglycidyl ether (EEW=190) and Epodil® 748
- (5) Techne GT-4 Gelation Timer
- (6) BK Drying Recorder Phase III ASTM D 5895
- (7) ASTM D 2240
- (8) ASTM D 695
- (9) ASTM D 638
- (10) ASTM E 1356
- (11) Scale 1-3 (3 is best)

Epoxy Curing Agents and Modifiers

ANCAMINE® 2605 Curing Agent

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