

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. Based upon Evonik's Cycloaliphatic Amines, it offers exceptional cost in-use economics and a broad balance of chemical resistance and surface appearance properties. Ancamine 2605 provides high mechanical build, rapid cure and is particularly suitable for lower temperature use.

ADVANTAGES

- Excellent chemical resistance
- Good low temperature cure

APPLICATIONS

- Non-colour sensitive applications
- Industrial flooring, screeds, primers, grouts
- Cost sensitive applications
- Chemically resistant tank linings
- 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.

TYPICAL PROPERTIES

Appearance	Yellow liquid
Colour¹ (Gardner)	max 12
Viscosity² @ 25°C [mPa.s]	100-400
Amine Value³ [mg KOH/g]	360-390
Specific Gravity @ 21°C	1.03
Equivalent Wt/{H}	95
Recommended use Level⁴, [PHR]	50

TYPICAL HANDLING PROPERTIES⁴

Gel Time⁵ (150g mix at 25°C), [mins]	28
Thin Film Set Time⁶ 25°C, [h]	4.0
Shore D⁷ 20°C (24 h)	80
Shore D⁷ 10°C (24 h)	67
Typical cure schedule 2- 7 days	

TYPICAL PERFORMANCE PROPERTIES^{4,6}

Compressive Strength⁸, [MPa]	103
Compressive Modulus⁸, [GPa]	2.1
Tensile Strength⁹, [MPa]	62.0
Tensile Modulus⁹, [GPa]	7.3
Flexural Strength¹⁰, [MPa]	101
Flexural Modulus¹⁰, [GPa]	3.3
Heat Distortion Temperature¹¹, [°C]	50
Carbamation Test¹²	2

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder Phase III
- (7) DIN 53505
- (8) ISO 604
- (9) ISO 527
- (10) ISO 178
- (11) ASTM D648
- (12) Scale 1-5 (5 is best)

Epoxy Curing Agents and Modifiers

ANCAMINE® 2605 Curing Agent

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