

ANCAMINE® 2654 Curing Agent**DESCRIPTION**

Ancamine 2654 is an modified aliphatic polyamine intended for use as a curing agent with liquid epoxy resin. It offers high reactivity for fast cure and is relatively moisture insensitive. Ancamine 2654 can be used in waterproof membranes and flexible floorings as well as in grouting compounds and concrete repair.

Its high reactivity enables it to be a useful accelerator for cycloaliphatic amine curing agents.

ADVANTAGES

- Relative moisture insensitive
- Enhanced flexibility
- Fast Cure

APPLICATIONS

- Waterproof Membranes
- Flexible Flooring
- Concrete Repair Compounds

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. Do not freeze.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2654 curing agent.

TYPICAL PROPERTIES

Appearance	Clear Yellow Liquid
Colour¹ (Gardner)	<5
Viscosity² @ 25°C [mPa.s]	1,200
Amine Value³ [mg KOH/g]	450
Specific Gravity @ 21°C	0.96
Equivalent Wt/{H}	113
Recommended use Level⁴ [PHR]	60

TYPICAL HANDLING PROPERTIES⁴

Gel Time⁵ (150g mix at 25°C) [min]	9
Thin Film Set Time⁶ 25°C [h]	2
Hardness Shore D⁷ at 25°C (24h)	nd
Hardness Shore D⁷ at 10°C (24h)	nd
Peak Exotherm (150g mix, @25°C [°C])	190
Typical cure schedule	2- 7 days

TYPICAL HANDLING PROPERTIES⁴

Compressive Strength⁸, [MPa]	nd
Compressive Modulus⁸, [GPa]	nd
Flexural Strength⁹, [MPa]	nd
Flexural Modulus⁹, [GPa]	nd
Heat Distortion Temperature¹⁰, [°C]	nd
Carbamation Test¹¹	nd

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 178
- (10) ASTM D648
- (11) ISO 2812 (Wet Patch Method), scale 1-5 (5 is best)

Epoxy Curing Agents and Modifiers

ANCAMINE® 2654 Curing Agent

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