

ANCAMINE® 2693M Curing Agent**DESCRIPTION**

Ancamine 2693M 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 cost-in-use economics and a broad balance of chemical resistance and surface appearance properties. Ancamine 2693M curing agent provides high mechanical build, rapid cure and is particularly suitable at the low temperature condition (eg 10°C).

ADVANTAGES

- Excellent chemical resistance
- Good low temperature cure

APPLICATIONS

- Non-colour sensitive applications
- Industrial flooring, screeds, primers, grouts
- Cost sensitive applications
- Chemical 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. Store away from excessive heat and humidity in tightly closed containers.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2693M curing agent.

TYPICAL PROPERTIES

Appearance	Yellow liquid
Colour¹ (Gardner)	≤12
Viscosity² @ 25°C [mPa.s]	50-250
Amine Value³ [mg KOH/g]	335-385
Specific Gravity @ 21°C	1.02
Equivalent Wt/{H}	95
Recommended use Level⁴ [PHR]	50

TYPICAL HANDLING PROPERTIES⁴

Gel Time @ 25°C⁵ (min)	30-35
Thin Film Set Time @ 25°C⁶ (h)	4
Shore D Hardness @ 25°C⁸ after 1/7 days	85/87
Shore D Hardness @ 10°C⁸ after 1 7 days	80/85

TYPICAL PERFORMANCE PROPERTIES⁴

Typical cure schedule	2-7 days
Carbamation Test @ 25°C⁹ after 1 day	4
Heat Distortion Temperature¹⁰ (°C)	50

Footnotes:

- (1) ASTM D 1544
- (2) Brookfield RVTD, spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW 190)
- (5) 150g mix with Techne Gelation Timer
- (6) ASTM D 5895 - BK Drying Recorder, Phase 3
- (7) ISO 1522
- (8) DIN 53505
- (9) ISO 2812 (wet patch method) , Scale 1-5, 5=Best
- (10) ASTM D648

Epoxy Curing Agents and Modifiers

ANCAMINE® 2693M Curing Agent

EVONIK RESOURCE EFFICIENCY GMBH
Business Line Crosslinkers
Paul-Baumann-Straße 1
45764 Marl
Germany

apcsepx@evonik.com
www.evonik.com/crosslinkers

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

