

Product information

ANCAMINE[®] 2422

Ancamine[®] 2422 is a highly functional polyamine Mannich base designed for use as an ambient curing agent or accelerator in two-component liquid epoxy systems. It is especially suitable for use in high chemical resistance applications, e.g. tank linings. Special features besides outstanding chemical resistance include high reactivity even at low temperatures combined with balanced pot life. Formulations based on Ancamine 2422 are suitable for ambient or post cure.

TYPICAL HARDENER PROPERTIES

Property	Value	Unit	Method
Color	≤ 5	Gardner	ASTM D 1544
Viscosity, 25 °C	1500-2500	mPas	Brookfield RV, spindle 27
Amine value	660 - 675	mg KOH/g	Perchloric acid titration

RECOMMENDED USE LEVEL

Amine equivalent	49		calculated
Use level per 100 g BPA liquid epoxy resin	26	g	stoichiometric ratio

TYPICAL PERFORMANCE PROPERTIES

Formulation with standard BPA liquid epoxy resin			
Pot life	60	min	Techne GT-3 Gelation Timer
Thin Film Set Time 23 °C	4	h	BK Drying Recorder Phase III
Thin Film Set Time 10 °C	5	h	BK Drying Recorder Phase III
Carbamation Resistance 23 °C	1	Scale 1 - 5	ASTM D 870 1 d
Carbamation Resistance 10 °C	1	Scale 1 - 5	ASTM D 870 1 d

APPLICATIONS

- Industrial coatings
- Protective Coatings
- Tank linings

BENEFITS

- High reactivity
- High glass transition temperature
- Excellent mechanical properties

SUSTAINABILITY ATTRIBUTES



Durability



Efficiency



LCA available

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 Material Safety Data Sheet of Ancamine[®] 2422.

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EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chundong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

