

ANCAMINE[®] 2836

Ancamine[®] 2836 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 2836 are suitable for ambient or post cure. This curing agent is an ideal alternative to Ancamine 2422 when higher glass transition temperatures are required.

TYPICAL HARDENER PROPERTIES

Property	Value	Unit	Method
Color	≤ 4	Gardner	ASTM D 1544
Viscosity, 25 °C	1500 - 6000	mPas	Brookfield RV, spindle 27
Amine value	575 - 590	mg KOH/g	Perchloric acid titration

RECOMMENDED USE LEVEL

Amine equivalent	55		calculated
Use level per 100 g BPA liquid epoxy resin	29	g	stoichiometric ratio

TYPICAL PERFORMANCE PROPERTIES

Formulation with standard BPA liquid epoxy resin			
Pot life	100	min	Techne GT-3 Gelation Timer
Thin Film Set Time 23 °C	3.5	h	BK Drying Recorder Phase III
Thin Film Set Time 5 °C	7.5	h	BK Drying Recorder Phase III
Carbamation Resistance 23 °C	4	Scale 1 - 5	ASTM D 870 1 d
Carbamation Resistance 5 °C	2	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

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[®] 2836.

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