

ANCAMINE® 1693 Curing Agent**DESCRIPTION**

Ancamine 1693 is a modified cycloaliphatic polyamine adduct designed for use as an ambient temperature curing agent for epoxy resin. Special features of this curing agent include low viscosity, light colour, good colour stability and outstanding chemical resistance, particularly to sour crude oil. These properties make Ancamine 1693 ideal for use in high solids and solvent free storage coatings, self-leveling and mortar flooring applications.

ADVANTAGES

- Very good chemical resistance (especially to acids, solvents and alcohols)
- Non-corrosive classification
- Good colour stability

APPLICATIONS

- General purpose maintenance paints and primers
- Solvent free and high solids coatings
- Tank linings
- Secondary containment
- Self-leveling floors

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 1693 curing agent.

TYPICAL PROPERTIES

Appearance	Light amber liquid
Colour¹ (Gardner)	5
Viscosity² @ 25°C [mPa.s]	80-120
Amine Value³ [mg KOH/g]	300-320
Specific Gravity @ 21°C [g/ml]	1.04
Equivalent Wt/{H}	96
Recommended use Level⁴, [PHR]	45

TYPICAL HANDLING PROPERTIES

Gel Time⁵ (150g mix at 25°C), [mins]	60
Thin Film Set Time⁶ 25°C, [h]	9
Typical cure schedule	2- 7 days

TYPICAL PERFORMANCE PROPERTIES

Flexural Strength⁷, [MPa]	51
Heat Distortion Temperature⁸, [°C]	35

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) ISO 178
- (8) ASTM D648

Epoxy Curing Agents and Modifiers

ANCAMINE® 1693 Curing Agent

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