

ANCAMINE® 2196 Curing Agent

DESCRIPTION

Ancamine 2196 is a modified cycloaliphatic polyamine designed for use with liquid epoxy resin. The low viscosity, excellent colour and ability to cure relatively quickly at low temperatures make Ancamine 2196 suitable for use in solvent-free coatings, self-leveling and screed flooring applications. This product is intended as a replacement for Ancamine 1561 for applications requiring optimum colour stability, however Ancamine 2196 is not suitable for use with volatile solvents in high solids applications and may cause pigment separation, flotation or discolouration with certain transition metal based pigments such as chromium, iron, copper.

ADVANTAGES

- Low viscosity
- Good colour stability
- Good low temperature cure

APPLICATIONS

- Flooring – self-leveling and screeds
- Solvent-free coatings

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 2196 curing agent.

TYPICAL PROPERTIES

Appearance	Light coloured liquid
Colour¹ (Gardner)	2
Viscosity² @ 25°C [mPa.s]	10-80
Amine Value³ [mg KOH/g]	385-405
Specific Gravity @ 21°C [g/ml]	0.98
Equivalent Wt/{H}	87
Recommended use Level⁴, [PHR]	45

TYPICAL HANDLING PROPERTIES

Mixed Viscosity² at 25°C, [mPa.s]	600
Gel Time⁵ (150g mix at 25°C), [mins]	32
Peak Exotherm (150g mix at 25°C), [°C]	130
Thin Film Set Time⁶ @ 25°C, [h]	6
Typical cure schedule 7 days at ambient temperature	

TYPICAL PERFORMANCE PROPERTIES

Tensile Strength⁷, [MPa]	49
Tensile Modulus⁷, [GPa]	6.0
Tensile Elongation at Break [%]	1.0
Flexural Strength⁸, [MPa]	116
Flexural Modulus⁸, [GPa]	4.6

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 527
- (8) ISO 178

Epoxy Curing Agents and Modifiers

ANCAMINE® 2196 Curing Agent

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