

ANCAMINE® 2165 Curing Agent**DESCRIPTION**

Ancamine 2165 is a low viscosity accelerated aliphatic amine developed specifically for crack-injection applications at both room temperature and lower temperatures down to 5°C.

ADVANTAGES

- Very low viscosity
- Good through-cure down to 5°C
- Excellent mechanical properties — in particular, compressive strength and modulus which ensures monolithic behaviour in repair and crack injection systems
- Good adhesion to concrete

APPLICATIONS

- Crack injections systems

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 2165 curing agent.

TYPICAL PROPERTIES

Appearance	Clear light yellow liquid
Colour¹ (Gardner)	2 max
Viscosity² @ 25°C [mPa.s]	20
Amine Value³ [mg KOH/g]	690-720
Specific Gravity @ 21°C [g/ml]	1.04
Equivalent Wt/{H}	50
Recommended use Level⁴, [PHR]	25

TYPICAL HANDLING PROPERTIES

Mixed Viscosity² at 25°C, [mPa.s]	130
Gel Time⁵ (150g mix at 25°C), [mins]	50
Thin Film Set Time⁶ @ 25°C, [h]	8
Typical cure schedule	2- 7 days

TYPICAL PERFORMANCE PROPERTIES

Compressive Strength⁷, [MPa]	127
Compressive Modulus⁷, [GPa]	3.0
Adhesion to Dry Concrete [kg.cm⁻²] (substrate failure)	40
Adhesion to Damp Concrete [kg.cm⁻²] (coating failure)	21

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 604

Epoxy Curing Agents and Modifiers

ANCAMINE® 2165 Curing Agent

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