

Product information

ANCAMINE[®] 1561

Curing Agent

DESCRIPTION

Ancamine 1561 curing agent is an accelerated cycloaliphatic amine with very low viscosity, excellent color and the ability to cure at low temperatures. It is suitable for use in solventfree or high-solids coatings, self-leveling and mortar floors, where a high degree of color stability is required. Additional applications include injection repair compounds and mortar binders for concrete patching in flexibilized systems

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Water-white liquid	
Colour	1	Gardner
Viscosity @ 77°F	80	mPa.s
Amine Value	325	mg KOH/g
Specific Gravity @ 77°F / 25°C	1.0	
Density @ 77°F (25°C)	8.3	lb/gal
Flash Point (closed cup)	230	°F
Equivalent	85	Wt/{H}
Recommended use Level	45	PHR, EEW=190

CHEMICAL RESISTANCE

Excellent against distilled water, aqueous mineral acids, alkali, detergent solutions, and certain chlorinated hydrocarbons; poor against ketones, glycol ethers and alcohols.

SHELF LIFE

At least 24 months in sealed containers at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1561 curing Agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit
Mixed Viscosity @ 77°F	12.5	poise
Gel Time 150 g mix @ 77°F	25	min
Thin Film Set Time	7	hr
Peak Exotherm (100g mix at 77°F)	275	°F
Peak Exotherm Time	29.5	min

TYPICAL CURE SCHEDULE

2-7 days @ ambient temperature
Gel @ ambient temperature + 2 hrs @ 140°

TYPICAL PERFORMANCE PROPERTIES (CURED 7 DAYS @ AMBIENT TEMPERATURE)

Property	Value	Unit
Heat Deflection Temp (ASTM D648-264 psi)	120	°F
Barcol Hardness (Model GYZJ-935)	82	
Bond Strength	1,465	psi (mild steel to mild steel)
Flexural Strength	11,660	psi
Flexural Modulus	331,000	psi
Tensile Strength	8,325	psi
Tensile Modulus	361,000	psi
Elongation	3.1	%

Ancamine® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

Disclaimer

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

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

