

**ANQUAMINE® 419** Curing Agent**DESCRIPTION**

Anquamine 419 waterborne curing agent is a modified aliphatic amine supplied at 60% solids in water (15%) and methoxy propanol (25%). It is intended for use with waterborne solid epoxy resin dispersions in two-component, ambient-cure, waterborne epoxy coatings. Anquamine 419 delivers excellent properties in anticorrosive primers, white gloss enamels and clear coats with solid epoxy resin dispersions. Anquamine 419 can be used with different epoxy dispersions depending on the desired end-use properties.

**ADVANTAGES**

- Excellent corrosion resistance
- Rapid dry time
- Excellent adhesion to steel
- Good colour and gloss
- Good stain resistance
- Low odour
- Low free amine content

**APPLICATIONS**

- Industrial maintenance and marine primers and topcoats
- General metal primers
- Transportation primers

**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 Anquamine 419 curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Colour<sup>1</sup> (Gardner)</b>	9 max
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	8,000-12,000
<b>Specific Gravity @ 21°C, [g/ml]</b>	1.08
<b>Equivalent Wt/{H} (as supplied)</b>	284
<b>Non-Volatiles [%]</b>	59-63
<b>Recommended use Level, [PHR]</b>	
<b>Solid Epoxy Resin (EEW 530)</b>	20-32 <sup>a</sup>
<b>Solid Epoxy Resin (EEW 630)</b>	14-28 <sup>b</sup>

**TYPICAL PERFORMANCE PROPERTIES**

<b>Typical cure schedule</b>	7-14 days
------------------------------	-----------

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (a) 0-60% excess epoxy resin
- (b) 0-90% excess epoxy resin

Epoxy Curing Agents and Modifiers

# ANQUAMINE<sup>®</sup> 419 Curing Agent

**EVONIK RESOURCE EFFICIENCY GMBH**

Paul-Baumann-Straße 1  
45772 Marl, Germany  
+31.30.2857100

[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

**For Technical Information, Support and Samples:**  
[apcsepx@evonik.com](mailto:apcsepx@evonik.com)

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.

