

**ANQUAMINE® 401** Curing Agent**DESCRIPTION**

Anquamine 401 waterborne curing agent is a modified aliphatic amine supplied at 70% solids in water. It is intended for use with waterborne epoxy dispersions in two-component, ambient cure, waterborne epoxy coatings. It is also capable of emulsifying and curing liquid epoxy resins without the need for additional surfactants. Anquamine 401 delivers excellent properties in anticorrosive primers, white gloss top-coats and clear coats. Anquamine 401 can be utilised with different types of epoxy resin depending upon the properties desired.

**ADVANTAGES**

- Excellent gloss and gloss retention
- Good colour
- Visible end of pot-life
- Rapid dry time
- Excellent stain resistance
- Excellent hardness development
- Excellent abrasion resistance
- No induction time
- Good corrosion resistance

**APPLICATIONS**

- Floor and wall coating sealers primers and topcoats
- ECC polymer-modified mortars
- 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 401 curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Colour<sup>1</sup> (Gardner)</b>	< 12
<b>Viscosity<sup>2</sup> @ 25°C [Pa.s]</b>	25-40
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	240-260
<b>Specific Gravity @ 25°C, [g/ml]</b>	1.09
<b>Total Solids Content, [wt %]</b>	69-71
<b>Equivalent Wt/{H}</b>	166
<b>Recommended use Level<sup>4</sup>, [PHR]</b>	60-90
<b>Recommended use Level<sup>5</sup>, [PHR]</b>	45-55
<b>Recommended use Level<sup>6</sup>, [PHR]</b>	13-16

**TYPICAL HANDLING PROPERTIES**

<b>Pot Life @ 20°C<sup>4</sup>, [h]</b>	1-1.5
<b>Set to Touch<sup>7</sup> @ 20°C, [h]</b>	2.0
<b>Hard Dry<sup>7</sup> @ 20°C, [h]</b>	4.0
<b>Persoz Hardness<sup>7</sup></b>	
<b>1 day @ 20°C</b>	270
<b>7 days @ 20°C</b>	350

**TYPICAL PERFORMANCE PROPERTIES**

<b>Typical cure schedule</b>	2-7 days
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Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVT-D, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Semi-Solid Resin Emulsion (EEW=220-250, on solids)
- (6) Solid Resin Dispersion (EEW=500-540, on solids)
- (7) With Epipes ER8 (EEW=195)

Epoxy Curing Agents and Modifiers

# ANQUAMINE<sup>®</sup> 401 Curing Agent

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