

# 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.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber liquid		
Colour	max.12	Gardner	ASTM D 1544-80
Viscosity @ 25°C	25000-40000	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	245-265	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.09	g/ml	
Total Solids Content	68-72	wt %	
Equivalent	166	Wt/{H}	
Recommended use Level	60-90	PHR	With Bisphenol A diglycidyl ether (EEW=190)
Recommended use Level	45-55	PHR	Semi-Solid Resin Emulsion (EEW=220-250, on solids)
Recommended use Level	13-16	PHR	Solid Resin Dispersion (EEW=500-540, on solids)

### 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 HANDLING PROPERTIES

Property	Value	Unit	Method
Pot Life @ 20°C	1-1.5	h	With Bisphenol A diglycidyl ether (EEW=190)
Set to Touch @ 20°C	2.0	h	With Epipes ER8 (EEW=195)
Hard Dry @ 20°C	4.0	h	With Epipes ER8 (EEW=195)
Persoz Hardness	270	1 day @ 20°C	With Epipes ER8 (EEW=195)
Persoz Hardness	350	7 days @ 20°C	With Epipes ER8 (EEW=195)

## TYPICAL PERFORMANCE PROPERTIES

Typical cure schedule: 2-7 days

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