

## Product information

# ANQUAMINE<sup>®</sup> 401

Anquamine<sup>®</sup> 401 is a waterborne modified polyamine supplied at 70% solids in water and designed for use with different types of epoxy resins, including liquid epoxy resins or aqueous solid epoxy resins dispersions. It is especially suitable for use in water-borne low or zero emission general metal primers in transportation or industrial maintenance. This curing agent is an ideal alternative to Anquamine 419 when standard liquid epoxy resins are used as A component. It can be emulsified without any additional surfactants.

### TYPICAL HARDENER PROPERTIES

Property	Value	Unit	Method
Color	≤ 12	Gardner	ASTM D 1544
Viscosity, 25 °C	25,000 - 40,000	mPas	Brookfield RV, spindle 27
Solid content	68 - 72	Wt.-%	
Amine value	245 - 265	mg KOH/g	Perchloric acid titration

### RECOMMENDED USE LEVEL

Amine equivalent	166	g/eq	calculated
Use level per 100 g BPA liquid epoxy resin	60 - 90	g	stoichiometric ratio
Use level per 100 g Ancarez AR 555	13 - 16	g	including epoxy excess

### TYPICAL PERFORMANCE PROPERTIES

Formulations with standard BPA epoxy resin adjusted to formulation viscosity of ~1,000 mPas; 55 % solids			
Pot life	15	min.	time to 4,000 mPas
Drying time - Phase 3; 23 °C; 150 μm WFT	04:30	h:min	based on ASTM D5895

### APPLICATIONS

- Protective Coatings

### BENEFITS

- High corrosion resistance
- Long pot life
- Good reactivity

### SUSTAINABILITY ATTRIBUTES



NextGen Solution



VOC Reduction



Durability



LCA available

## 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 on Anquamine<sup>®</sup> 401 curing agent.

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### Disclaimer

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