

ANQUAMINE[®] 469**Epoxy Curing Agents and Modifiers****DESCRIPTION**

Anquamine[®] 469 is a waterborne curing agent specially designed for waterborne protective coating, e.g., container and transportation with low VOC, and have good compatibility with diversity solid epoxy dispersions.

Anquamine[®] 469 can produce excellent salt spray resistance, good adhesion as cured at high temperature with high moisture and styrene putty resistance benefited from its special chemical structure.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber-dark amber		
Colour	max 9	Gardner	ASTM D1544
Viscosity @ 25°C	70000-120000	mPa.s	Brookfield RVTD, Spindle 18
Amine Value	300-350	mg KOH/g	Perchloric Acid titration
Specific Gravity @ 25°C	1.09	g/ml	
Solids Content	68-72	wt %	
Volatile component			
Water	25	wt %	
1-methoxy-2-Propanol (PM)	5	wt %	
Equivalent Wt{H}	120		
Recommended using level, 100g solid epoxy dispersion	7-15	PHR	Ancarez AR555
Recommended using level, 100g solid epoxy dispersion	8-13	PHR	Typical solid epoxy dispersion (EEW=450-550, solid)

ADVANTAGES

- Anquamine 469 can produce excellent adhesion curing under high temperature with high humidity (50°C/98% RH)
- Good corrosion resistance with different type SER dispersion with different stoichiometry ratio
- Hot water, styrene putty resistance, inorganic and alkaline resistance
- Low phr, cost-in-use, long pot life

APPLICATIONS

- Container mid coat and interior topcoat
- waterborne zinc-rich primer
- Transportation coating
- Machinery Coating

SHELF LIFE, STORAGE AND HANDLING

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers. Refer to the Material Safety Data Sheet for Anquamine 469 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Pot life@ 20°C	>4	h	Ancarez AR555 solid epoxy dispersion
Typical solid epoxy dispersion (solid epoxy EEW=500-600)			
Thin film set time		h	
Tack-free	0.25	h	ASTM D-1640
Dry-hard	1	h	ASTM D-1640
Dry-through	3	h	ASTM D-1640

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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, Chungong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

