

ANCAMIDE® 2891

Curing Agent

DESCRIPTION

Ancamide® 2891 Curing Agent is a modified Polyamide that enables excellent low temperature cure where high performance and cost effectiveness are key requirements. The curing agent is specifically designed for use in two component high solid or solvent borne epoxy coatings, where high barrier properties and fast return to service are essential.

Ancamide 2891 Curing Agent is alkyl phenol and salicylic acid free while offering excellent Corrosion and Chemical Resistance along with good appearance. The product can be used over a broad temperature range and provides overnight cure at temperatures down to 5°C.

TYPICAL PROPERTIES

Property	Value	Method
Appearance	Pale Amber Liquid	
Color (Gardner)	7	ASTM D1544
Viscosity @ 23 °C [mPa.s]	1000 - 1500	Rheotec RC30
Amine Value [mg KOH/g]	270	Hydrochloric Acid - Auto Titration
Specific Gravity @ 25°C [g/cm³]	0.96	
Non-volatile [wgt %]	82	
Equivalent Wt/[H]	100	
Recommended Use Level (phr, EEW=190)	40 - 53	

APPLICATIONS

- Metal primers
- Barrier Coats
- Industrial Maintenance

ADVANTAGES

- Broad application and service temperature range
- High Corrosion and Chemical Resistance
- Cure temperature down to 5°C
- Phenol, Bisphenol A and Alkyl phenol free
- Salicylic acid free

SHELF LIFE

At least 12 months from the date of manufacturing in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

HANDLING PRECAUTIONS

Refer to the Safety Data Sheet for Ancamide 2891

TYPICAL CURE SCHEDULE

1-7 days at ambient temperature

TYPICAL PERFORMANCE PROPERTIES¹

Property	Value	Method
Gel Time @ 23 °C (150g mix) [min]	73	Techne GT-5 Gelation Timer, 150 g mix
Thin Film Set Time @ 23 °C/60 % RH [h]	4/5	ASTM D 5895 - BK Drying Recorder, Phase 2/3, 60% RH
Thin Film Set Time @ 5°C/60%RH [h]	7/14	ASTM D 5895 - BK Drying Recorder, Phase 2/3, 60% RH
Persoz Hardness (7 d @ 23°C/5°C 60% RH), [s]	349/258	ISO 1522
Set-to-touch @23°C [h]	3	ASTM D1640
Specular Gloss 20°/60° cured @23°C/60% RH 24h [GU]	98/99	
Specular Gloss 20°/60° cured @5°C/60% RH 24h [GU]	91/96	
Carbamation Resistance 1h @ 5°C /23°C after 1d cured (Scale 1-5, 5=best)	4/5	ISO 2812-3 (Wet Patch Method), scale 1-5 (5 is best)
MEK Rub-test	>200	ASTM D 5402

(1) Used PHR=53 with EEW=190

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