EPS® 2272

ACRYLIC EMULSION

DATA SHEET

Description

EPS 2272 is a styrenated acrylic emulsion offering excellent water retention properties. EPS 2272 can be formulated to meet the requirements of ASTM C-309 and ASTM C-1315 Type I Class C cure and seal membranes. Low VOC formulations can be produced at < 100 g/l VOC using a low VOC coalescent such as EPS 9147.

- ✓ Excellent water retention properties
- ✓ Low odor
- ✓ Good blush resistance
- ✓ Excellent water resistance
- ✓ Low VOC formulations (< 100 g/l VOC) due to low coalescent demand
- ✓ ASTM C-1315 Type I Class A, non-yellowing can be achieved with a suitable UV additive package
- ✓ APEO free

Specifications

Weight Solids:	50.0 ± 0.7%
Weight/Gallon:	8.55 ± 0.10
pH:	7.0 – 8.0

Suggested Coalescing Solvent(s)

(% Solvent on Binder Solids – Pass 40°F LTC Test)

Texanol	20-25%

Typical Properties

Volume Solids:	48.7 ± 0.7%
MFFT:	42°C
Volatile:	Water

Suggested Formulations

EPS 2272 CS1 - C-1315 Cure and Seal

EPS 2272 C-1315 CS2 - Cure and Seal Low VOC

05-08-2014

Questions? Call EPS Technical Service @ 1-800-601-8111

EPS® 2272

FORMULA: EPS 2272 CS1
C-1315 CURE AND SEAL

SUGGESTED FORMULATION

Pounds	Gallons	Raw Material	Supplier	Instructions
418.0	48.89	**EPS 2272**	**EPS**	
280.0	33.61	Water		
2.0	0.25	AMP-95	Dow	Add slowly with good agitation
1.0	0.14	Surfynol 104A	Air Products	
1.5	0.17	Nuosept 485	Ashland	
42.0	5.30	Texanol	Eastman	Premix with water
100.0	12.00	Water		Add slowly with good agitation
844.5	**100.36**	**Totals**		

Formulation Parameters

Weight Solids	25.06	%
Volume Solids	24.04	%
Weight / Gallon	8.41	lb/gal
Pigment Volume Conc.	0	%
Pigment / Binder	0	%
VOC	173	g/l
	1.44	lb/gal

Typical Paint Properties

Viscosity	25 cps
pH	7.3 – 7.6
Color	Clear

Suggested Application Methods

Spray

Chemical resistance

2 coats at 300 sq. ft./gal each on smooth concrete

10% hydrochloric acid	No effect
10% sodium hydroxide	No effect

03-01-11

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EPS® 2272 SUGGESTED FORMULATION

FORMULA: EPS 2272 CS2 (151-61B 3/31/06)

C-1315 CURE AND SEAL - LOW VOC

Pounds	Gallons	Raw Material	Supplier	Instructions
380.0	44.44	**EPS 2272**	**EPS**	
318.0	38.18	Water		
2.0	0.25	AMP-95	Dow	Add slowly with good agitation
1.0	0.14	Surfynol 104A	Air Products	
1.5	0.17	Nuosept 485	Ashland	
20.0	2.53	Texanol	Eastman	Premix with water
22.0	2.54	**EPS 9147**	**EPS**	Premix with water
100.0	12.00	Water		Add slowly with good agitation
844.5	**100.25**	**Totals**		

Formulation Parameters

Weight Solids	25.31	%
Volume Solids	24.34	%
Weight / Gallon	8.41	lb/gal
Pigment Volume Conc.	0	%
Pigment / Binder	0	%
VOC	91	g /L
	0.76	lb/gal

Typical Paint Properties

Viscosity	25 cps
pH	7.3 – 7.6
Color	Clear

Suggested Application Methods

Spray

Chemical Resistance

2 coats at 300 sq. ft./gal each on smooth concrete

10% hydrochloric acid	No effect
10% sodium hydroxide	No effect

03-01-11

Questions? Call EPS Technical Service @ 1-800-601-8111

EPS® 2272 FORMULATING GUIDELINES

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS 2272.
Questions? – Please call EPS Technical Service at 800.601.8111

UV Protection-

For ASTM C-1315 Class A (Section 3.2.1) performance, a HALS/UVA blend, such as BASF Tinuvin 5151, applied at 1-2% addition on resin solids, is recommended.

02-22-11

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