EPS® 2526

ACRYLIC EMULSION

DATA SHEET

Description

EPS 2526 is a styrenated acrylic emulsion offering excellent hardness and wet / dry film clarity. EPS 2526 is well suited for use in clear and pigmented finishes on cementitious substrates.

- ✓ Excellent wet film clarity, dry film clarity and blush resistance
- ✓ Excellent hardness development and block resistance
- ✓ Excellent resistance to yellowing
- ✓ Excellent chemical resistance
- ✓ Excellent 'hot tire' resistance
- ✓ High gloss

Specifications

Weight Solids:	40.0 ± 0.7%
Weight/Gallon:	8.70 ± 0.10
pH:	7.5 – 8.5

Suggested Coalescing Solvent(s)

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

Texanol	25 – 30%
DPnP	30 – 35%

Typical Properties

Volume Solids:	37.3 ± 0.7%
MFFT:	> 60°C
Volatile(s):	Water
Acid Value (on solids):	23

Suggested Formulations

EPS 2526 CLR BT1 - High Gloss Clear Topcoat

EPS 2526 CLR LS2 - Concrete Sealer / Dustproofer

EPS 2526 BT2 - Pigmented Concrete Sealer

EPS 2526 CS1 -Concrete Cure & Seal

EPS 2526 HS1 - High Solids Concrete Sealer

05-08-2014

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

EPS® 2526 FORMULATING GUIDELINES

Chemical Resistance - One hour chemical soak under a watch glass. No detrimental effects were noted with Muriatic acid, 1M Sodium Hydroxide, Motor Oil, 50:50 antifreeze/water blend, 5% Salt Water, or Power Steering Fluid. Gasoline slightly softened, but recovered in 15 minutes. Brake Fluid softened and was not recovered 24 hours later.

Hot Tire Resistance - Laboratory test method requires a Carver press with removable steel plate, oven and sections of a used radial tire (~6000 miles). The coated cement substrate, tire section, and removable steel plate are heated to 140°F for one hour in the oven. After one hour, the coated substrate is immediately placed between the heated tire section and heated steel plate and put in the Carver press. Pressure equal to the weight of a 5000 pound vehicle is applied for a cooling period of one hour. This test procedure was repeated, this time soaking the coated substrate in water for one hour at 140°F prior to testing. Using both test procedures, the film remains intact.

Solvents - Coalescence of EPS 2526 coatings at 40°F may be achieved using 35% Texanol or DPnP on binder NVM. The use of Ethylene or Propylene Glycol should be avoided to maintain the excellent early water resistance properties.

Defoamers - The defoamer type and usage level should be carefully evaluated. EPS suggestions include Dehydran 1620 (BASF), BYK 024 (BYK) and Drewplus L-475 (Ashland).

Rheology Modifiers - The preferred method to obtain the desired rheological profile is to adjust the type and blend ratios of the coalescing solvents, and/or adjust the NVV of the coating. Texanol, when used as the sole coalescing solvent, will significantly increase the viscosity of EPS 2526 coatings, while DPnP will only have a minor effect on the viscosity. Varying the volume solids (NVV) of the coating, used in conjunction with solvent blends to adjust the viscosity, will maintain excellent water resistance properties.

02-17-2011

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

EPS® 2526 SUGGESTED FORMULATION

FORMULA: EPS 2526 CLR BT1 (11/05/96)

HIGH GLOSS CLEAR TOPCOAT

Pounds	Gallons	Raw Material	Supplier	Instructions
565.5	65.00	**EPS 2526**	**EPS**	Add with good agitation.
3.0	0.41	Surfynol 104A	Air Products	
2.0	0.27	Ammonium Hydroxide 28%		
1.5	0.19	Dehydran 1620	BASF	
3.0	0.39	Drewplus L-475	Ashland	
1.5	0.16	Nuosept 95	Ashland	
23.8	3.00	Texanol	Eastman	Premix, add with good agitation.
61.6	8.00	DPnP	Lyondell	
191.6	23.00	Water		
853.5	**100.42**	**Totals**		

Formulation Parameters

Weight Solids	27.20%
Volume Solids	25.00%
Weight / Gallon	8.50 lb/gal
Pigment Volume Conc.	0%
Pigment / Binder	0
VOC	286 g/L
	2.39 lb/gal

Typical Paint Properties

Viscosity, #2 Zahn	17 – 25 seconds
pH	8.0 – 9.0
Color	Clear

Suggested Application Methods

Brush

02-24-2011

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EPS® 2526

SUGGESTED FORMULATION

FORMULA: EPS 2526 CLR LS2

CONCRETE SEALER / DUSTPROOFER

Pounds	Gallons	Raw Material	Supplier	Instructions
226.1	26.00	**EPS 2526**	**EPS**	Add with good agitation.
1.5	0.21	Surfynol 104A	Air Products	
1.5	0.19	Amp 95	Dow	
0.7	0.08	Nuosept 95	Ashland	
1.5	0.19	Dehydran 1620	BASF	
31.7	4.00	Texanol	Eastman	Premix, add with good agitation.
583.1	70.00	Water		
846.1	**100.67**	**Totals**		

Formulation Parameters

Weight Solids	11.11%
Volume Solids	10.08%
Weight / Gallon	8.40 lb/gal
Pigment Volume Conc.	0%
Pigment / Binder	0
VOC	269 g/L
	2.24 lb/gal

Typical Paint Properties

Viscosity, #2 Zahn	15 - 25 seconds
pH	8.0 – 9.0
Color	Clear

Suggested Application Methods

Brush

02-24-2011

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EPS® 2526 SUGGESTED FORMULATION

FORMULA: EPS 2526 BT2 (10/09/99)

PIGMENTED CONCRETE SEALER

Pounds	Gallons	Raw Material	Supplier	Instructions
522.0	60.00	**EPS 2526**	**EPS**	Add with good agitation.
3.0	0.41	Surfynol 104A	Air Products	
2.0	0.27	Ammonium hydroxide		
1.5	0.19	Dehydran 1620	BASF	
3.0	0.39	Drewplus L-475	Ashland	
1.5	0.16	Nuosept 95	Ashland	
21.0	2.65	Texanol	Eastman	Premix, add with good agitation.
61.0	7.92	DPnP		
133.3	16.00	Water		
120.0	12.00	Pigment dispersion	CCA	Add with good agitation.
868.3	**99.99**	**Totals**		

Formulation Parameters

Weight Solids	29.21%
Volume Solids	25.42%
Weight / Gallon	8.69 lb/gal
Pigment Volume Conc.	8.94%
Pigment / Binder	0.18
VOC	341 g /L
	2.84 lb/gal

Typical Paint Properties

Viscosity (Stormer)	70 – 80 KU
pH	8.0 – 9.0

Suggested Application Methods

Brush

Pre- Dispersed Colorants – Colorant dispersions evaluated were the CCA red iron oxide, phthalo green, and titanium dioxide.

02-24-2011

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EPS® 2526

SUGGESTED FORMULATION

FORMULA: EPS 2526 CS1
CONCRETE CURE & SEAL

Pounds	Gallons	Raw Material	Supplier	Instructions
528.0	60.69	**EPS 2526**	**EPS**	Add with good agitation
1.0	0.14	Surfynol 104A	Air Products	
2.0	0.27	Ammonium Hydroxide 28%		
1.5	0.16	Nuosept 95	Ashland	
100.0	12.63	Texanol	Eastman	Premix, add with good agitation
218.0	26.17	Water		
850.5	**100.06**	**Totals**		

Formulation Parameters

Weight Solids	25.00%
Volume Solids	22.79%
Weight /Gallon	8.50 lb/gal
Pigment Volume Conc.	0 %
Pigment / Binder	0
VOC	340 g/l
	2.84 lb/gal

Typical Properties

Viscosity, #2 Zahn cup	15 - 25 seconds
pH	8.5 - 9.5

Suggested Application Methods

Low pressure spray hand pump type, Chapin, Hudson sprayer
Brush, Roll

02-24-2011

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EPS® 2526

SUGGESTED FORMULATION

FORMULA: EPS 2526 HS1

HIGH SOLIDS CONCRETE SEALER

Pounds	Gallons	Raw Material	Supplier	Instructions
522.00	60.00	**EPS 2526**	**EPS**	Add each ingredient slowly while mixing
2.18	0.29	Aqua Ammonia 28%		
1.63	0.21	Dehydran 1620	BASF	
1.63	0.17	Nuosept 95	Ashland	
1.63	0.17	Fluorad FC-4430		Premix and add under agitation
25.10	3.17	Texanol	Eastman	
58.90	7.65	DPnP	Lyondell	
235.00	28.21	Water		
848.07	**99.87**	**Totals**		

Formulation Parameters		*Typical Properties*	
Weight Solids	25.09 %	Viscosity, #2 Zahn	17 – 25 seconds
Volume Solids	22.85 %	pH	8.0 – 9.0
VOC	2.49 lb/gal = 299 g/l		
Weight/Gallon	8.49 lb/gal	Dry through time at 75º F/55% RH	
Pigment Weight	0.00%	STT	6’ 30’’
PVC	0.00%	TF	8’ 30’’
Pigment/Binder	0.00	DT	9’ 30’’

Chemical resistance – One hour chemical soak under a watch glass. No detrimental effects were noted with muratic acid, 1M sodium hydroxide, motor oil, 50:50 antifreeze, water, 5% salt water or power steering fluid. Gasoline slightly softened, but recovered in 15 minutes. Brake fluid softened and was not recovered 24 hours later.

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