

EPS[®] 4402

OIL MODIFIED URETHANE

DATA SHEET

Description

EPS 4402 is an oil modified urethane. Coatings based on EPS 4402 provide excellent hardness, abrasion resistance and toughness. This balance of properties makes EPS 4402 an excellent choice for floor finishes and varnishes.

Specifications

Weight Solids: 60.0 ± 0.7%
Weight/Gallon: 7.60 ± 0.10
Viscosity: Y – Z2
Acid Value: 3 max
Color: 6 max

Suggested Drier Package

(% Metal on Resin Solids)

Manganese 0.01
 Activ-8 0.10

Typical Properties

Volume Solids: 53.2 ± 0.7%
Oil Type: Linseed
Solvent: LAMS (40%)
Visc. (Reduced): N/A
Modifier: TDI

Suggested Formulations

EPS 4402 CLR1 - Clear Varnish
 EPS 4843/4402 CLR2 - Clear Varnish

05-09-2014

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

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EPS[®] 4402

SUGGESTED FORMULATION

FORMULA: EPS 4402 CLR1 (1/99)
 CLEAR URETHANE VARNISH

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
602.6	79.29	EPS 4402	EPS	Add and premix
0.3	0.04	12% Manganese Drier	OMG	15 minutes.
0.4	0.05	Active 8 Drier	RT Vanderbilt	
1.2	0.15	Skino #2	OMG	
<u>133.0</u>	<u>20.47</u>	Mineral Spirits		
737.54	100.00	Totals		

Formulation Parameters

Weight Solids	49.08%
Volume Solids	42.22%
VOC Level	3.76 lb/g (450 g/L)

Typical Application Properties

Viscosity, #4 Ford Cup	40 seconds
Gloss - 60°	90+

Suggested Application Methods

Brush, Roll

rev. 02-22-2011

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EPS[®] 4843/4402 SUGGESTED FORMULATION

FORMULA: EPS 4843/4402 CLR2 (7/99)

CLEAR VARNISH

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
451.74	59.44	EPS 4402	EPS	Add under agitation and mix well.
112.84	14.23	EPS 4843	EPS	
0.60	0.08	6% Manganese drier	OMG	Allow driers to "sweat in" for 24 hours
0.40	0.05	Activ-8	RT Vanderbilt	before checking dry times.
2.83	0.37	Skino 2	OMG	
<u>167.90</u>	<u>25.83</u>	Mineral spirits		
736.31	100.00	Totals		

Formulation Parameters

Weight Solids	49.14%
Volume Solids	42.46%
Pigment Weight	0.0
Pigment Volume Conc.	0.0
Pigment/Binder	0.0
VOC Level	3.75 #/gal 450 g/l
Weight/Gallon	7.36

Typical Application Properties

Viscosity, #2 Zahn cup	24 seconds
Dry Times @ 74 °F & 50% RH	1.5 mil DFT
Dust Free time	1 hour 25 minutes
Dry through	8 - 10 hours
Sward Hardness	36
Gloss 60°	90+

Suggested Application Methods

Brush, Roll, Spray

rev. 02-22-2011

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