

EPS[®] 2252

EPS[®] 2252 is a high solids acrylic emulsion designed to adhere to low energy substrates commonly used in roofing. Basecoats and primers based on EPS[®] 2252 offer outstanding adhesion to thermoplastic olefin (TPO) and ethylene propylene diene monomer (EPDM) rubber. EPS[®] 2252 provides the capability to formulate coatings at <50g/L VOC.

PROPERTIES

- Excellent adhesion to TPO, EPDM, metal, asphalt, and other common roofing substrates
- <50 g/L VOC capable
- Can be used in both primer and basecoat formulations
- Formulated without APEOs

Specifications

Weight Solids	60.0 +/- 0.70%
Weight/Gallon	8.55 +/- 0.10
pH	8.0 - 9.0

Typical Properties

Volume Solids	59.0 +/- 0.7%
Tg	-32° C
Volatile(s)	Water Ammonia

Formulating Guidelines

Pigments: Careful selection of pigments is critical to many end-use properties, such as adhesion and water uptake. For optimal adhesion and water uptake performance, it is recommended that small particle size extenders be used, such as calcium carbonate. The PVC has also been shown to impact the adhesion to low energy substrates; highly filled systems may negatively impact adhesion and should be evaluated.

Dispersants & Surfactants: The use of and level of dispersants, surfactants and wetting aids may impact the adhesion performance properties of the roof coating. A ladder study is recommended to determine the optimum level.

Questions? Call EPS Customer Service @ 1-800-654-4242 / Email: info@eps-materials.com

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TECHNICAL SUPPORT: These guidelines are offered to assist the paint formulator in achieving the high performance properties noted and are offered for illustration purposes only; the paint formulator bears sole responsibility for the performance of the final coating product.

SDS: For details on health, safety and handling information, Safety Data Sheets (SDS) are available at www.epscca.com.

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Suggested Formulation

Formula: EPS® 2252 RC1 - Roof Coating Basecoat / Primer (02/19)

Pounds	Gallons	Raw Material	Supplier	Instructions
155.00	18.61	Water		Add in order with good agitation
3.00	0.30	Tamol 851	Dow	
3.00	0.40	Ammonium Hydroxide		
1.00	0.12	Airase 5200	Evonik	
30.00	0.90	R-960	Chemours	
430.00	19.05	Drikalite	Imerys	Grind 20 minutes until Hegman >5 is attained
450.00	52.63	EPS 2252	EPS	Add slowly to grind in order with mixing
3.00	0.33	Nuosept 498	Troy	
11.00	1.15	Polyphase 663	Troy	
11.00	1.27	Propylene Glycol		Premix and add slowly with good agitation
3.00	0.27	Natrosol 250HBR	Ashland	
44.15	5.30	Water		Continue mixing for 20 minutes
1141.15	100.00	Totals		

Formulation Parameters

Weight Solids	64.87 %
Volume Solids	51.90 %
Pigment Volume Conc.	38.91
Calculated VOC Level	24 g/L
Weight/Gallon	11.41 lbs

Typical Properties

Viscosity	90 – 100 KU
pH	9.0 - 10.0
Color	White

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