

StanChem SC 9032

Description:

StanChem SC 9032 is a higher solids, all-acrylic copolymer latex designed for high performance elastomeric roof coatings. SC 9032 provides excellent flexibility and dirt pick up resistance while enabling strong adhesion to multiple surfaces common to roofing systems. Additionally, SC 9032 provides superb weatherability with excellent water and UV resistance.

Typical Physical Properties:

Type:	Acrylic Emulsion
Solids by weight:	59.5 – 61.5%
Viscosity* @ 25°C:	200 - 1000 cps
pH @ 25° C:	9.0 - 10.0
Tg (DSC):	- 35°C
MFFT:	< 0°C

*Brookfield RVT, #3 Spindle @ 60 RPM

Storage: SC 9032 is stable for at least 12 months from manufacturing date when stored at +5C to +40C in appropriate containers.

WARRANTY:

Seller warrants that its product will meet the specifications which it sets for them. Seller's responsibility under this warranty will be limited solely to replacing the products which prove defective, provided that the Buyer gives Seller prompt notice in writing of said defect. Products may be returned to Seller only after written authorization has been obtained from Seller. The foregoing warranty is in lieu of all other warranties, whether oral, written, express, implied or statutory. IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL NOT APPLY. Technical or other advice is furnished by us solely as an accommodation and shall not increase the scope of our responsibilities or liability. Seller's warranty obligations and Buyer's remedies hereunder are solely and exclusively as stated herein: In no event will Seller be liable either for the labor and other associated costs incurred in replacing the product, including, but not limited to, its removal and application, or for other incidental or consequential damages.

StanChem SC 9032 White Elastomeric Coating

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
189.80	17.61	Water		Add ingredients separately and in order under good agitation
4.80	0.52	Tamol 851	DOW	
1.40	0.05	KTPP	ICL	
1.90	0.23	DeeFo 3010E/50	Munzing	
70.40	2.11	Tronox CR-828	Tronox	Add slowly under good agitation
422.20	18.71	Omyacarb 3LF	Omya	Increase speed and disperse to 6+ Hegman
46.90	1.88	Zinc Oxide – ZOCO 103	Zochem	
427.96	54.09	Stanchem SC 9032	Stanchem	Add to letdown tank separately and under good agitation
1.90	0.23	DeeFo 3010/50	Munzing	
7.00	0.93	Texanol	Eastman	
2.10	0.22	Polyphase AF1	Troy	
1.00	0.13	Ammonium Hydroxide		Add slowly
24.40	2.83	Ethylene Glycol		Premix Ethylene Glycol with Natrosol MBR to help reduce incorporation time
4.20	0.48	Natrosol MBR	Ashland	
1205.80	100.02	Total		

Paint Properties

Weight Solids	67.2%
Volume Solids	53.7%
Density	12.06 lbs/gal
PVC	42.3%
Pigment:Binder	1.146
VOC, g/l	71.0
VOC, lbs/gal	0.60
pH	9.0 – 10.0
Viscosity (Stormer, 25°C KU)	90 - 100

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Comparative Performance

Acrylic Polymer Binder		Competitor	SC 9032
Binder properties			
Non-Volatile Material		59.5 – 61.5%	59.5 – 61.5%
Viscosity		< 1000 cps	< 1000 cps
pH		9.0 – 10.0	9.0 – 10.0
Paint Properties – Tested Values			
Paint Viscosity (KU)		90	92
pH		9.5	9.5
Density (lbs./gallon)		11.8	11.8
Dry Time @ 28 mils: To Touch (min)	D5895	60	62
Dry Time @ 28 mils: Dry Through (min)	D5895	82	83
Coating Properties			
	ASTM Proc.	=	=
Tensile Stress at Max Load (MPa)	D2370	2.91	3.79
Percent Elongation at Max Load	D2370	112%	114%
Percent Elongation at Break	D2370	114%	115%
Water Swelling	D471	8.34%	7.56%
Accelerated Weathering 1000 hours	D4798	Pass	Pass
Low Temp Flex @ 0°F after 1000 hours QUV	D522	Pass	Pass
Adhesion Values			
	D903	=	=
Dry / Wet Adhesion on HDGE (PSI)		5.64 / 2.24	5.81 / 2.31
Dry / Wet Adhesion on Aluminum (PSI)		3.95 / 4.00	5.46 / 4.00
Dry / Wet Adhesion on EPDM (PSI)		2.61 / 1.77	2.83 / 1.66

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