

StanChem

polymers

StanChem SC 6694

Description:

StanChem SC 6694 is an acrylic copolymer emulsion designed for durable house and trim paints. Coatings made with SC 6694 exhibit excellent wet adhesion and dirt resistance pickup, as well as excellent outdoor durability.

Typical Physical Properties:

Type:	Acrylic Copolymer
Solids by weight:	60.5 – 61.5%
Viscosity @ 25°C:	< 2000 cps
pH @ 25°C:	8.9 – 9.7
Density:	8.90 ± 0.10 lbs/gal
Tg:	21°C
Freeze / Thaw Resistance (10°F)	PASS (5 Cycles)

*Brookfield RVT, #4 Spindle @ 20 RPM

Storage: SC 6694 is stable for at least 12 months from manufacturing date when stored between 5°C-40°C 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 6694 White Exterior Satin Enamel

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
100.0	12.00	Water		Dissolve HEC completely before continuing
3.0	0.27	Natrosol Plus 330	Ashland	
22.9	2.65	Propylene Glycol		Add separately & in order under good
2.0	0.22	Proxel AQ	Lonza	agitation
6.0	0.65	Nuosperse FX 631	Elementis	
2.0	0.25	AMP-95	Dow	
2.0	0.23	Byk 024	Byk Chemie	
150.0	4.50	Tronox® CR-828	Tronox	Add slowly under good agitation
100.0	4.61	Minex 10	Sibelco	Increase speed and disperse to 6+ Hegman
409.8	46.04	StanChem SC 6694	StanChem	Continue adding with good agitation
175.6	21.08	Water		
2.0	0.23	Byk 024	Byk Chemie	
20.0	2.53	Texanol	Eastman	
10.0	1.03	Polyphase AF1	Troy	
14.0	1.62	Rheobyk L-100	Byk Chemie	Add slowly under agitation
12.0	1.39	Rheobyk TVS-VF	Byk Chemie	Premix and add under agitation to adjust
<u>6.0</u>	<u>0.69</u>	Propylene Glycol		viscosity and rheology
1036.9	100.00	Total		

Formulation Parameters

Weight Solids	50.15%
Volume Solids	38.21%
Density	10.37 lbs/gal
Pigment Volume Concentrate	24.93%
Pigment / Binder	0.99
VOC, g/l	151
VOC, lbs/gal	1.26

Typical Paint Properties

pH	8.0 – 9.0
Viscosity (Stormer, 25C, KU)	105 – 115
Gloss (60°, 3 mils DFT on Leneta)	20 - 25

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