

StanChem SC 6914

Description:

StanChem SC 6914 is an acrylic copolymer designed for clear and pigmented wood coatings. SC 6914 provides excellent hardness, toughness, early water resistance and scratch resistance. SC 6914 is provided with coalescing solvents for ease of formulating and applications such as factory applied sealers, varnishes, and pigmented coatings.

Typical Physical Properties:

Type:	Acrylic Polymer Emulsion
Solids by weight:	31.0 – 34.0 %
Viscosity @ 25 °C:	50 – 600 cps
pH @ 25° C:	7.5 – 8.5
Density:	8.58 ± 0.10 lbs/gal
Tg (DSC midpoint)	32°C
Solvents:	< 11.0% (by wt), Glycols and Glycol Ethers

*Brookfield RVT, #2 Spindle @ 60 RPM

Storage: SC 6914 is stable for at least 6 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 6914 Low Gloss White Wood Coating

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
189.2	22.67	Water		Add ingredients separately and in order under good agitation
9.4	1.02	Tamol 731A	Dow	
2.5	0.34	Triton X405	Dow	
1.8	0.20	Surfynol 104PG50	Evonik	
2.0	0.24	BYK 024	Byk	
84.1	2.46	Tronox CR-828	Tronox	Add slowly under good agitation
350.0	15.48	Omyacarb 3FI CaCO ₃	Omya	
136.1	6.04	Talc	Mistron	Add slowly under good agitation
448.6	50.41	Stanchem SC 6914	StanChem	Add to letdown tank separately and under good agitation Add grind at this point
3.0	0.41	Byk 035	Byk	
1.01	0.11	Byk 348	Byk	
1.71	0.28	Triethanolamine		
2.02	0.23	Acrysol RM2020	Dow	
1.51	0.16	Polyphase AF-1	Troy	
1233.0	100.00	Total		

Cure Conditions - 130F / 15 minutes

Formulation Parameters

Weight Solids	59.05%
Volume Solids	41.80%
Density	12.33 lbs/gal
Pigment Volume Concentrate	57.32%
Pigment / Binder	3.61
VOC, g/l	133
VOC, lbs/gal	1.12

Typical Paint Properties

pH	7.0 – 8.0
Viscosity (Stormer, 25C, KU)	65 - 75
Gloss (20°/60°, at 1.5-2.0 mils DFT)	1.3 / 2.6
Block Resistance, 122F,250 g/cm ²	Pass
Block Resistance, 140F,250 g/cm ²	Pass

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