

StanChem

polymers

StanChem SC 6744

Description:

StanChem SC 6744 is an acrylic copolymer that can be used as a binder for a variety of primers and coatings for different substrates, including ferrous and non-ferrous metals, wood, and various plastics. Coatings formulated with SC 6744 exhibit good clarity, water resistance and excellent adhesion properties.

Typical Physical Properties:

Type:	Styrene Acrylic emulsion
Solids by weight:	50.0 - 51.0 %
Viscosity @ 25° C:	<500 cps
pH @ 25° C:	8.5 - 9.5
Density:	8.60 ± 0.10 lbs/gal
Tg (DSC):	23° C
Freeze / Thaw Resistance (10°F)	PASS (5 Cycles)

*Brookfield RVT, #2 Spindle @ 60 RPM

Storage: SC 6744 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 6744 Corrosion Resistant Primer

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
75.0	9.00	Water		Add ingredients separately and in order under good agitation
10.0	1.10	Tamol 681	Dow	
3.0	0.34	Surfynol PSA 336	Evonik	
3.0	0.36	Airex 901W	Evonik	
1.0	0.13	AMP-95	Dow	
100.0	2.40	Bayferrox 130M	Lanxess	Add slowly under good agitation
100.0	4.43	Vicron 15-15	Minerals Technologies	
50.0	1.99	SZP-391	ICL/Halox	
3.0	0.33	Acrysol RM-2020	Dow	Increase speed and disperse to 6+ Hegman
475.3	55.27	StanChem SC 6744	StanChem	Add to letdown tank separately and under good agitation
87.6	10.52	Water		
1.0	0.13	Ammonia (20%)		
2.0	0.22	Proxel AQ	Lonza	
10.0	1.14	Halox 570 30% solution	ICL/Halox	Add grind at this point
48.0	5.76	Water		Premix and add under good agitation
48.0	6.33	Glycol Ether DPnB	LyondellBassell	
3.0	0.33	Acrysol RM-2020	Dow	Add slowly under agitation to adjust viscosity and rheology
2.0	0.22	Acrysol RM-8W	Dow	
1021.9	100.00	Total		

Formulation Parameters

Weight Solids	49.29%
Volume Solids	36.85%
Density	10.22 lbs/gal
Pigment Volume Concentrate	24.88%
Pigment / Binder	1.04
VOC, g/l	138
VOC, lbs/gal	1.15

Typical Paint Properties

pH	8.0-8.5
Viscosity (Stormer, 25C, KU)	80-90
Corrosion Resistance (ASTM B117, 2.0 mils DFT on CRS)	200+ hours

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