



StanChem SC 6773

Description:

StanChem SC 6773 is a high Tg Styrene/Acrylic emulsion designed for industrial coatings. SC 6773 exhibits excellent hardness development and block resistance, as well as adhesion to a variety of ferrous and non-ferrous substrates (including some plastics).

Typical Physical Properties:

Type:	Styrene/Acrylic Emulsion
Solids by weight:	40.5 – 41.5 %
Viscosity* @ 25°C:	< 100 cps
pH @ 25 °C:	5.5 – 7.5
Density:	8.60 ± 0.10 lbs/gal
Tg (DSC):	52°C

*Brookfield RVT, #4 Spindle @ 20 RPM

Storage: SC 6773 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 6773 Gloss White DTM Enamel

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
50.0	6.00	Water		Add ingredients separately and in order under good agitation
9.0	0.99	Tamol 681	Dow	
4.0	0.48	Airex 901W	Evonik	
4.0	0.46	Surfynol PSA 336	Evonik	
1.0	0.13	AMP-95	Dow	
200.0	6.00	Tronox CR-828	Tronox	Add slowly under good agitation
1.0	0.11	Acrysol RM-2020NPR	Dow	Increase speed and disperse to 7+ Hegman
573.2	66.65	StanChem SC 6773	StanChem	Add to letdown tank separately and under good agitation
30.3	3.64	Water		
1.0	0.13	Ammonium Hydroxide		Add grind at this point
2.0	0.22	Proxel AQ	Lonza	
10.0	1.14	Halox 570 LS	ICL/Halox	
3.0	0.36	Byk 346	Byk Chemie	
82.3	10.86	Glycol Ether DPnB	Lyondell Bassell	
17.0	1.86	Acrysol RM-2020	Dow	Add with good agitation to adjust viscosity and rheology
<u>9.0</u>	<u>0.98</u>	Acrysol RM-8W	Dow	
996.6	100.00	Total		

Formulation Parameters

Weight Solids	45.67%
Volume Solids	34.06%
Density	9.97 lbs/gal
Pigment Volume Concentrate	18.76%
Pigment : Binder	0.85
VOC, g/l	230
VOC, lbs/gal	1.92

Typical Paint Properties

pH	8.0 – 9.0
Viscosity (Stormer, 25C, KU)	80 – 90
Gloss (20°/60°, 3 mils wet on Leneta)	51.9 / 81.9

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