

StanChem

polymers

StanChem SC 6458

Description:

StanChem SC 6458 is a 100% acrylic copolymer that exhibits excellent adhesion to a wide variety of substrates, including metal, wood, and cementitious surfaces. SC 6458 is self-crosslinking, as well as being capable of crosslinking with urea-formaldehyde or melamine resins.

Typical Physical Properties:

Type:	Acrylic Copolymer Emulsion
Solids by weight:	47.0 – 49.0%
Viscosity* @ 25° C:	<500 cps
pH @ 25° C:	8.0 – 9.0
Density:	8.50 ± 0.1 lbs/gal
Tg (calc.)	35°C

*Brookfield RVT, #4 Spindle @ 20 RPM

Storage: SC 6458 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 6458 Gloss White DTM Enamel

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
60.0	7.20	Water		Add ingredients separately and in order under good agitation
7.0	0.76	Nuosperse FX 665	Elementis	
3.0	0.34	Surfynol PSA 336	Evonik	
3.0	0.36	Airex 901W	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-8W	Dow	Increase speed and disperse to 7+ Hegman
521.0	61.29	StanChem SC 6458	StanChem	Add to letdown tank separately and under good agitation
45.3	5.44	Water		
1.0	0.13	Ammonium Hydroxide		Add grind at this point
3.0	0.36	Byk 346	Byk Chemie	
2.0	0.22	Proxel AQ	Lonza	
62.5	7.50	Water		Premix and add slowly under good agitation
62.5	8.25	Glycol Ether DPnB	Lyondell Bassell	
10.0	1.14	Halox 570 30% Solution	ICL/Halox	
5.0	0.55	Acrysol RM-2020	Dow	Add slowly under good agitation to adjust viscosity and rheology
<u>2.0</u>	<u>0.22</u>	Acrysol RM-8W	Dow	
989.3	100.01	Total		

Formulation Parameters

Weight Solids	46.80%
Volume Solids	35.81%
Density	9.89 lbs/gal
Pigment Volume Concentrate	17.43%
Pigment / Binder	0.80
VOC, g/l	176
VOC, lbs/gal	1.47

Typical Paint Properties

pH	8.0 - 9.0
Viscosity (Stormer, 25C, KU)	75 – 85
Gloss (20°/60°, 1.5-2.0 mils DFT on CRS)	43.2 / 73.6

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