

## StanChem SC 6553

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### Description:

**StanChem SC 6553** is a high solids acrylic copolymer emulsion developed for interior and exterior paint and coating applications. Coatings manufactured with SC 6553 exhibit good adhesion, flexibility, and abrasion resistance, as well as outstanding low temperature film formation.

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### Typical Physical Properties:

<b>Type:</b>	Acrylic Copolymer
<b>Solids by weight:</b>	64.5 – 65.5 %
<b>Viscosity @ 25 °C:</b>	<1000 cps
<b>pH:</b>	8.5 – 9.5
<b>Density:</b>	9.00 ± 0.10 lbs/gal
<b>Tg:</b>	17°C
<b>Freeze / Thaw Resistance (10°F)</b>	PASS (5 Cycles)

**Storage:** **SC 6553** 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 6553 White Sports Surface Coating

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
100.0	12.00	Water	Dow	Add ingredients separately and in order under good agitation
4.0	0.42	Tamol 901		
8.7	1.01	Propylene Glycol		
3.0	0.42	DeeFo 3010E/50		
			Munzing	
50.0	1.50	Tronox CR-828	Tronox	Add slowly under good agitation
20.0	0.43	Zoco 103	Zochem	
320.0	14.18	Atomite	Imerys	Increase speed and disperse to 6+ Hegman
505.3	56.14	<b>StanChem SC 6553</b>	<b>Stanchem</b>	Add to letdown tank separately and under good agitation
34.6	4.15	Water		
2.0	0.27	Ammonium Hydroxide		Add grind at this point
2.0	0.28	DeeFo 3010E/50	Munzing	
8.7	1.01	Propylene Glycol		Add slowly with good agitation
16.0	2.02	Texanol	Eastman	
48.0	5.76	Water		Dissolve completely before adding
2.0	0.18	Natrosol HBR	Ashland	
<u>2.0</u>	<u>0.22</u>	Acrysol RM-825	Dow	Add under good agitation to adjust viscosity and rheology
<b>1126.3</b>	<b>100.00</b>	<b>Total</b>		

### Formulation Parameters

Weight Solids	64.34%
Volume Solids	52.16%
Density	11.26 lbs/gal
Pigment Volume Concentrate	31.18%
Pigment:Binder	1.18
VOC, g/l	77
VOC, lbs/gal	0.64

### Typical Paint Properties

pH	8.0 - 9.0
Viscosity (Stormer, 25C, KU)	110 – 120

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