

StanChem SC 6380

Description:

StanChem SC 6380 is a styrene acrylic copolymer emulsion designed for use as a concrete curing membrane, as well as clear decorative concrete sealers. Coatings made with SC 6380 provide rapid tack free times and excellent hardness development, as well as excellent water retention performance in fresh concrete (per ASTM C156).

Typical Physical Properties:

Type:	Styrene Acrylic Copolymer
Solids by weight:	46.5 – 47.5 %
Viscosity* @ 25°C:	<500 cps
pH @ 25°C:	7.0 – 8.0
Density	8.50 ± 0.10 lbs/gal
Tg (DSC):	40°C
Freeze / Thaw Resistance (10°F)	PASS (5 Cycles)

*Brookfield RVT, #4 Spindle @ 20 RPM

Storage: SC 6380 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 6380 Clear Cure & Seal

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
355.0	41.52	StanChem SC 6380	StanChem	Add ingredients separately and In order under good agitation
457.3	54.90	Water		
1.0	0.13	28% Ammonium Hydroxide		
1.0	0.12	Airex 902W	Evonik	
<u>25.0</u>	<u>3.33</u>	Butyl Cellosolve (EB)		
839.3	100.00	Total		

Formulation Parameters

Weight Solids	20.00%
Volume Solids	19.63%
Density	8.39 lbs/gal
VOC, g/l	131
VOC, lbs/gal	1.09

Typical Paint Properties

pH	8.0 - 8.5
Viscosity (#3 Zahn Cup)	18-22 seconds

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StanChem SC 6380 Expected Performance

ASTM C156 Water Retention

Modified C156 Test Procedure: 460.0 grams of mortar mix (consisting of 14 parts water to 100 parts dry concrete mix) were added to a silicone mold (dimensions 9.8 cm x 9.8 cm x 1.8 cm deep). The mixture was allowed to dry until the surface could be coated with cure & seal sample.

1.92 grams of the sample were applied, equal to an application rate of 5.0 m²/liter. Weight loss was monitored for 72 hours, with a target loss of less than 0.55 kg/m² (per the requirements of ASTM C309)

StanChem SC 6380 Clear Cure & Seal achieved a weight loss of 0.51 kg/m²

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