

StanChem SC 5218

Description:

StanChem SC 5218 is a surfactant stabilized, vinyl/acrylic copolymer emulsion for paints and coatings, including intumescent coatings. SC 5218 provides the formulator with superior scrub resistance, durability, and flexibility.

Typical Physical Properties:

Type:	Vinyl / Acrylic Copolymer Emulsion
Solids by weight:	54.0 – 56.0 %
Viscosity* @ 25°C:	300 – 900 cps
pH @ 25°C:	4.5 – 5.5
Density:	9.00 ± 0.10 lbs.
Tg:	20°C

*Brookfield LVF, #4 Spindle @ 20 RPM

Storage: SC 5218 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 5218 White Intumescent Coating

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
248.2	29.80	Water		Charge to vessel
3.4	0.40	Natrosol 250 HBR	Ashland	Add under low agitation and mix for 5-10
2.3	0.27	Byk 024	Byk Chemie	minutes
11.4	1.44	Texanol	Eastman	
113.9	3.33	Tronox CR 828	Tronox	Add separately and in order under
96.8	8.47	Charmor PM 40	Perstorp	increasing agitation
96.8	7.39	OCI Melafine	OCI Melamine	
290.3	18.30	FR Cros 484	Budenheim	Increase speed and disperse to 3+ Hegman
273.2	30.36	StanChem SC 5218	Stanchem	Reduce speed; add next two items and
2.3	0.27	Byk 024	Byk Chemie	mix for 10 minutes
1138.6	100.03	Total		Maintain batch temperature of <45°C

Formulation Parameters

Weight Solids	67.20%
Volume Solids	57.71%
Density	11.38 lbs/gal
Pigment Volume Concentrate	64.96%
VOC, g/l	24.50
VOC, lbs/gal	0.205

Typical Paint Properties

pH	8.3 – 8.7
Viscosity (Brookfield KU-1+, @ 77F)	120-130 KU

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