



StanChem SC 5237

Description:

StanChem SC 5237 is a cellulose ether-stabilized, vinyl/VeoVa® copolymer dispersion. While designed specifically for high performance intumescent paints and coatings, SC 5237 is also suitable for low cost, high PVC interior or exterior paints.

Typical Physical Properties:

Type:	Vinyl/VeoVa® Copolymer
Solids by weight:	49.0 – 51.0 %
Viscosity* @ 25°C:	2,000 – 5,000 cps
pH @ 25°C:	4.0 – 5.0
Density:	9.00 ± 0.10 lbs/gal
Tg (DSC):	26°C
Freeze / Thaw Resistance (10°F)	PASS (5 Cycles)

*Brookfield RVT, #4 Spindle @ 20 RPM

Storage: SC 5237 is stable for at least 6 months from manufacturing date when stored between 5°C and 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 5237 White Intumescent Coating

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
231.0	27.73	Water		Charge to vessel
3.5	0.71	Natrosol 250 HBR	Ashland	Add under low agitation and mix for 5-10 minutes
5.8	0.79	Byk 038	Byk Chemie	
115.5	3.38	Tronox CR 828	Tronox	Add separately and in order under increasing agitation
115.5	10.10	Charmor PM 40	Perstorp	
115.5	8.82	OCI Melafine	OCI Melamine	Increase speed and disperse to 3+ Hegman
231.0	14.56	Exolit AP 422	Clariant	
268.0	29.78	Stanchem SC 5237	Stanchem	Reduce speed; add next two items and mix for 10 minutes
11.6	1.47	Texanol	Eastman	
<u>57.8</u>	<u>2.66</u>	Microglass 3016	Fibertec	Increase speed and slowly add glass fibers
1155.2	100.00	Total		Maintain batch temperature of <45°C

Formulation Parameters

Weight Solids	68.40%
Volume Solids	57.45%
Density	11.55 lbs/gal
Pigment Volume Concentrate	70.18%
VOC, g/l	
VOC, lbs/gal	

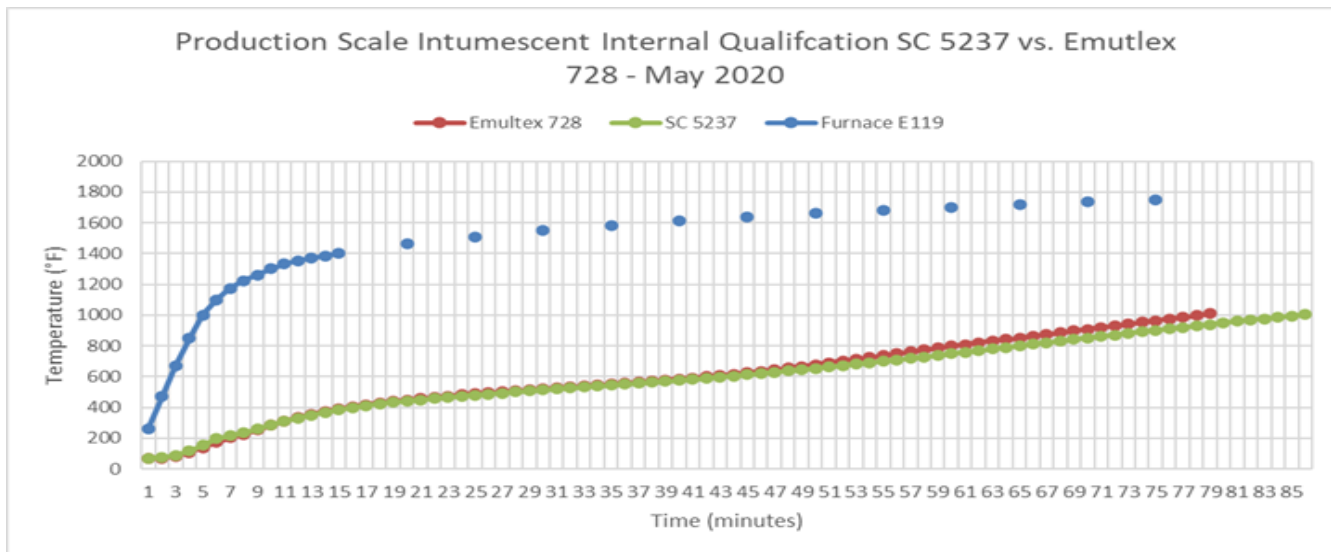
Typical Paint Properties

pH	
Viscosity (#7 spindle @ 50 rpm)	12,500 cps
Gloss (20°/60°, at 1.5-2.0 mils DFT)	

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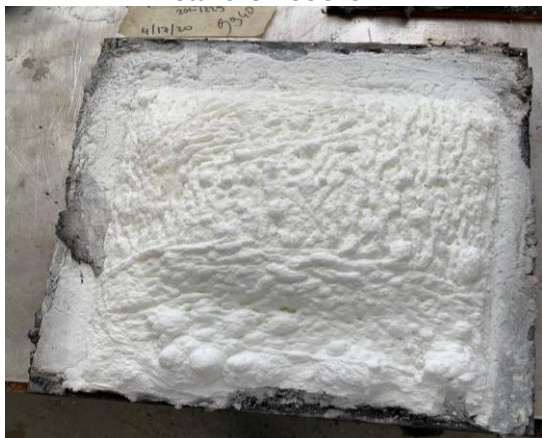
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StanChem SC 5237 Expected Performance



ASTM E119 tests of intumescent coatings made with

Stanchem SC 5237



Emultex FR 728



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