



TEXICRYL[®] 13-313

Carboxylated acrylic copolymer emulsion

INTRODUCTION

TEXICRYL 13-313 is a hydrophobically modified alkali swellable thickener designed for waterbased formulations. It is highly effective in modifying viscosities at low shear rates to avoid both settling and sagging. When neutralized with an appropriate alkali, **TEXICRYL 13-313** emulsion particles swell and thicken the system in a short period of time. **TEXICRYL 13-313** provides a shear-thinning rheology that is ideal for many applications including coatings, ceramic tiles adhesives and inks. A pH range of 8.0-9.0 is considered optimum for obtaining maximum viscosity.

CHARACTERISTICS (Not to be taken as a specification)

Solids content	%	30
Viscosity at 25°C (Brookfield RVT, Spindle 2, 100 rpm)	cps	25
pH		3
Particle size	nm	110
Specific gravity at 25°C		1.05

APPLICATIONS

TEXICRYL 13-313 used in the formulation of textured coatings, wood stains, paints and waterborne coating systems.

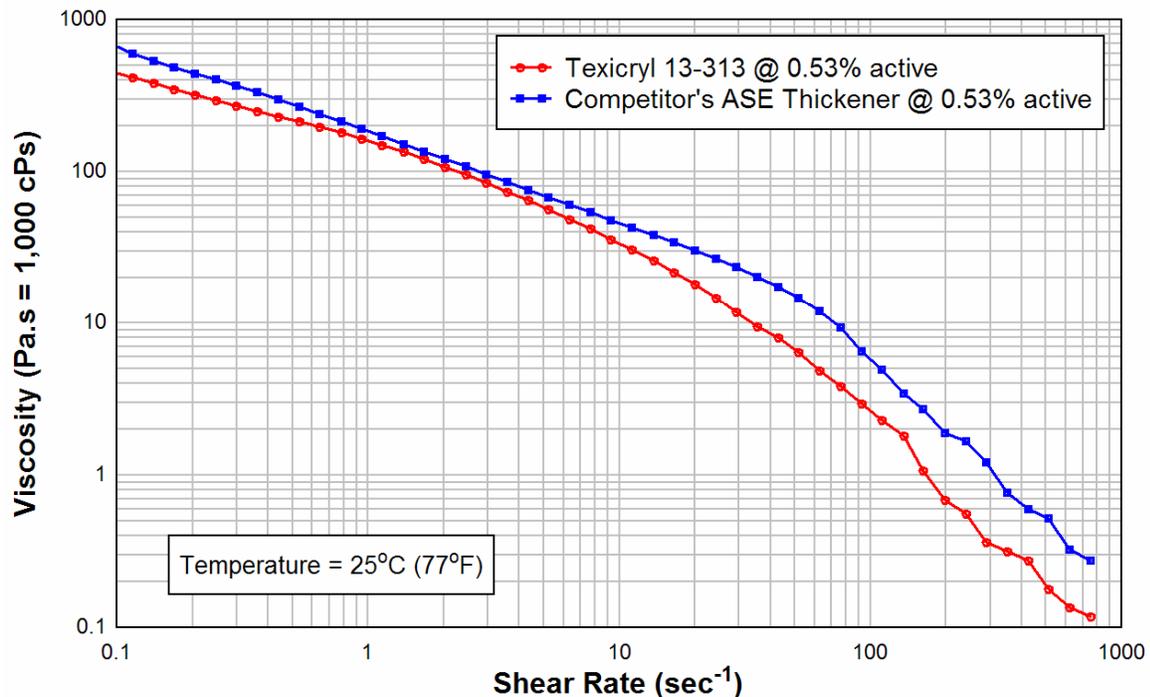
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USE OF TEXICRYL 13-313 IN A COATING

Coating Formulation

Raw Material	Description	Weight %
Water	Solvent	9.88
Propylene Glycol	Cosolvent	3.95
Dispex N40	Dispersant	0.49
Foamaster NXZ	Defoamer	0.3
Acticide MBS	Biocide	0.19
TIOXIDE R92	Titanium Dioxide	19.75
Snowcal 70	Calcium Carbonate	14.81
Texicryl 13-067	Styrene acrylic copolymer emulsion	43.45
Dowanol DPnB	Cosolvent	2.96
Water	Solvent	2.29
Ammonia to pH 8.5-9.0	pH Adjuster	0.15
Thickener (30% solids)	Thickener	1.78
Total		100

Viscosity Profiles of Above Coating Formulation Made with Texicryl 13-313 and Competitor's Thickener



Viscosity profiles were measured with Bohlin controlled stress rheometer.

PACKAGING

TEXICRYL 13-313 is supplied in a 460 lb. net weight plastic drum. Bulk supplies are delivered by road tanker.

STORAGE

TEXICRYL 13-313 can be stored in the containers in which it is supplied.

Protect from temperatures below 40° F.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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NOTICE

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