



# TEXICRYL<sup>®</sup> 13-308

## Carboxylated acrylic copolymer emulsion

### INTRODUCTION

**TEXICRYL 13-308** is an APEO-free alkali soluble emulsion (ASE) thickener designed for thickening water-based systems. When neutralized with an appropriate alkali, **TEXICRYL 13-308** emulsion particles swell and thicken the system in a short period of time. **TEXICRYL 13-308** is a very efficient thickener giving high viscosities at low usage levels and 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)

Appearance		White Liquid
Solids content	%	29.0-32.0
Viscosity at 25°C (Brookfield RVT #2 @ 100 RPM)	cP	5.0-50.0
pH		2.0-4.0
Specific Gravity at 25°C		1.07
Tg	°C / °F	57 / 137

### APPLICATIONS

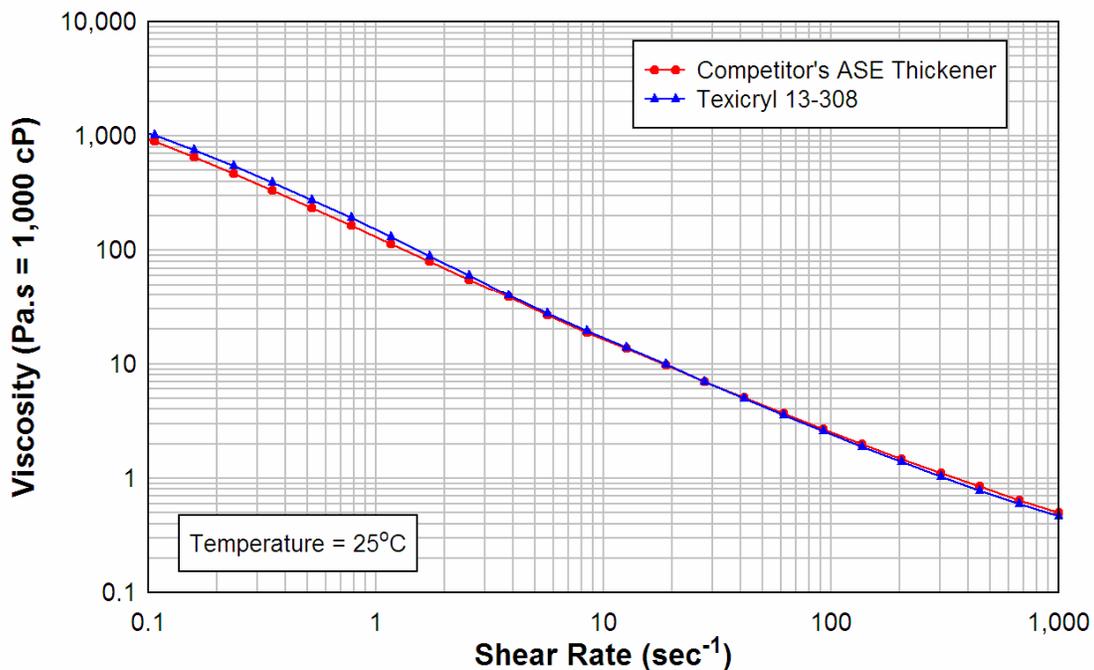
**TEXICRYL 13-308** is easily mixed into water-based systems and in many cases can be added directly to the system to be thickened followed by pH adjustment, if necessary. The final pH of the thickened system should be in the range of 8.0 – 9.0 for optimum thickening efficiency and for long term stability. **TEXICRYL 13-308** can also be pre-gelled and added to the system. This product can be slightly water sensitive.

## USE OF TEXICRYL 13-308 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
<b>Total</b>		<b>100</b>

### Viscosity Profiles of Above Coating Formulation Made with Texicryl 13-308 and Competitor's Thickener



Viscosity profiles were measured with Bohlin controlled stress rheometer.

Scott Bader Inc., 4280 Hudson Drive, Stow, Ohio 44224 Phone: 330-920-4410 Fax: 330-920-4415

## PACKAGING

**TEXICRYL 13-308** is supplied in a 441 lb. net weight plastic drum. Bulk supplies are delivered by road tanker.

## STORAGE

**TEXICRYL 13-308** 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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