



# TEXICRYL<sup>®</sup> 13-218

## Acrylic copolymer emulsion

### INTRODUCTION

TEXICRYL 13-218 is an APEO free self-crosslinking acrylic copolymer emulsion for use as a binder in the manufacture of spray-bonded synthetic fibre waddings. This product is also ideal as a stiffener for window blinds.

### CHARACTERISTICS (Not to be taken as a specification)

Solids Content	%	46
Viscosity at 25°C (Brookfield RVT, Spindle 2, 50 rpm)	mPa s	75
pH		6.5
Particle size	nm	135
Specific gravity at 25°C	g/cm <sup>3</sup>	1.08
Emulsifying system		anionic
Minimum film formation temperature*	°C	13
Glass transition temperature	°C	30

\* Determined by metal bar with temperature gradient.

### APPLICATIONS

TEXICRYL 13-218 has been developed for use in surface bonding and through-bonding of synthetic fibre wadding. It will effectively prevent penetration of the fibres through the cover fabric, preserve the high loft of the wadding and facilitate handling during the making-up process. It has excellent heat and light-stability, as well as good wash and dry-clean solvent resistance.

TEXICRYL 13-218 is widely used as a high-loft non-woven fabric binder.

### **Drying and Curing**

Cure of emulsion binders is dependent on the polymer type, catalyst concentration, temperature and time.

TEXICRYL 13-218 is supplied ready-catalysed and, after drying, must be cured for 2-3 minutes at 140°C. It is recommended that synthetic fibre waddings processed with TEXICRYL 13-218 be dried and cured in hot-air ovens with efficient air movement to ensure removal of water vapour during the drying phase. When dried and cured under these conditions, TEXICRYL 13-218 will confer dry-clean resistance, wash-fastness and good recovery from compression. TEXICRYL 13-218 has an indefinite pot life at normal spray-bonding concentrations (10-25% solids content).

### **PACKAGING**

TEXICRYL 13-218 is supplied in drums, 1 tonne IBC's or bulk supplies are delivered by road tanker.

### **STORAGE**

TEXICRYL 13-218 may be stored in the containers in which it is supplied.

Protect from frost and extended exposure to direct sunlight

### **HEALTH & SAFETY**

Please see separate Material Safety Data Sheet.

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