



TEXICRYL 13-219

Styrene acrylic copolymer emulsion

INTRODUCTION

TEXICRYL 13-219 is a self-crosslinking styrene 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, 100 rpm)	mPa s	200
pH		7
Particle Size	nm	150
Minimum film formation temperature*	°C	15
Glass transition temperature	°C	33

* Determined by metal bar with temperature gradient.

APPLICATIONS

TEXICRYL 13-219 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.

Drying and Curing

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

TEXICRYL 13-219 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 13-219 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 13-219 will confer dry-clean resistance, wash-fastness and good recovery from compression.

TEXICRYL 13-219 has an indefinite pot life at normal spray-bonding concentrations (10-25% solids content).

PACKAGING

TEXICRYL 13-219 can be supplied in drums and 1 tonne IBC's. Bulk deliveries are delivered by road tanker.

STORAGE

TEXICRYL 13-219 can be stored in containers supplied and protected from frost and extended exposure to direct sunlight

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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