



Speciality Polymers



TEXICRYL[®] 13-694

Styrene acrylic copolymer

INTRODUCTION

TEXICRYL 13-694 is an APEO free styrene acrylic copolymer emulsion which has been developed for use in mixes containing Portland cement.

The key benefits of **TEXICRYL 13-694** are enhanced adhesion, water resistance, flexural and tensile strength in cementitious screeds.

CHARACTERISTICS

(Not to be taken as a specification)

Solids content	%	45+/- 1
Viscosity at 25°C (Brookfield RVT, Spindle 4, 20 rpm)	mPa s	115
pH		7.5
Particle size	nm	250
Relative density at 25°C		1.03
Emulsifying system		anionic/nonionic
MFFT*	°C	8 - 10

* Determined by metal bar with temperature gradient.

APPLICATIONS

TEXICRYL 13-694 is designed to modify all types of cement mortars and concrete mixes. It vastly improves adhesion to substrates, water resistance, strength, resilience, flexibility, load bearing properties and reduces dusting. The use of **TEXICRYL 13-694** allows reduction in the overall water demand of the systems and the inclusion of the polymer is advantageous in the ease of laying of the cement bound mixes as it improves workability and the flow.

TYPICAL USES

Cement bound mixes with **TEXICRYL 13-694** are typically used as follows:

- Water resistant screeds for bathrooms and showers.
- Water resistant adhesives for wall and floor tiles.
- Repairing, screeding and topping cement floors.
- Water and damp resistant cementitious masonry coatings.
- Specialised flooring, with improved chemical resistance.
- Lining of pools and ponds.

TEXICRYL 13-694 typically replaces, partly or completely, the water used in cement bound mixes and concretes. A typical level of 20%, based on weight of cement, is used. For thin screeds a level of 25 – 35% may be required for improved adhesion. Portland, High Alumina and fast setting cements can be used with **TEXICRYL 13-694**. The colour of the modified cement might become slightly darker by the incorporation of **TEXICRYL 13-694**. Some white cement may be added to counteract this.

Tools and implements used for mixing and applying **TEXICRYL 13-694** modified cement mixes must be cleaned with water immediately after use.

PACKAGING

TEXICRYL 13-694 is supplied in 200 kg drums. Bulk supplies are delivered by road tanker.

STORAGE

TEXICRYL 13-694 may be stored in the containers in which it is supplied.

Protect from frost.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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