



Product Overview

TEXICRYL® 13-645 is a high efficiency styrene-acrylic binder developed for high performance paints and coatings, including direct-to-metal formulations.

Characteristics (Not to be taken as a specification)	
Solids content	45%
Viscosity at 25°C (Brookfield RVT, Spindle 3, 20 rpm)	2500 mPa.s
pH	8.5
Particle size	115 nm
Minimum Film Formation Temperature*	19°C
Glass Transition Temperature	22°C
Specific Gravity (at 25°C)	1.03

*Determined by metal bar with temperature gradient.

Features & Benefits

TEXICRYL® 13-645 is a styrene acrylic binder with high acrylic content providing improved UV stability.

Formulations based on TEXICRYL® 13-645 show superior adhesion and water resistance properties including on metal substrates.

TEXICRYL® 13-645 is specially designed to minimise the total quantity of associative rheology modifier needed in a coating formulation.

Applications

TEXICRYL® 13-645 is ideally suited for the formulation of:

- Water resistant interior / exterior paints
- Direct-to-metal paints
- Waterproofing coatings
- Anti-corrosive primers



Coalescing Solvent & MFFT Comparison:

Coalescing Solvent (4%)	MFFT (°C)
None	19
Texanol	9
DPnB	6
DPM	13
Butyl Diglycol	13

Packaging and Storage

TEXICRYL® 13-645 is available in drums and IBCs (please check with your local representative). Bulk delivery is by road tanker.

TEXICRYL® 13-645 should be stored in the original, unopened and undamaged containers in a dry place at temperature between 5°C and 30°C. Protect from freezing.

Health and Safety

Please see separate material safety data sheet.

© 2026 Scott Bader Company Limited, July 2026, Issue No. 3

All information on this data sheet is based on laboratory testing and is not intended for design purposes. Scott Bader makes no representations or warranties of any kind concerning this data. Due to variance of storage, handling and application of these materials, Scott Bader cannot accept liability for results obtained. The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.