



Construction Chemicals

Binders & Additives

Product Brochure



Texochem Industries

Manufacturers of Polymeric
Emulsions, Coatings and Adhesives

Product Overview

Our paint & construction chemicals are a product of acute attention to detail and precision, and as much meticulous planning as we put into the building of our homes. Our edge lies in the fact that besides possessing the expertise required for paint formulation, we also manufacture its major components, allowing us to optimize the final performance properties based on specific requirements.



Binder	% solids	Type	Key Advantages
Texcryn PB-155	50 ± 2	Styrene Acrylic emulsion	High water resistance – non blanching performance
Texcryn P-82	50 ± 2	Pure Acrylic emulsion	Excellent weathering resistance
Texcryn M-59	49 ± 2	Direct-to-metal (DTM) emulsion	Strong adhesion and high corrosion resistance
Texcryn TC-400	54 ± 2	Waterproofing coating	Provides both flexibility and water resistance
Texcryn TC-76	47 ± 1	Cement modifier, Polymer seal coat	Superior flexural, compressive, adhesive and impact strength
Texcryn CLW	15 ± 1	Liquid Waterproofing compound	Strong contact adhesive

Additive	% solids	Type	Key Advantages
Texcryn MT-30	30 ± 1	HASE Thickener	Efficient at low dosage
Texcryn T-60	29 ± 1	Acrylic Thickener	Shows no flocculation
Texcryn T-110	20 ± 1	Ammonium Polyacrylate Thickener	Easy flow for better handling
Texcryn D-50	30 ± 1	Polymeric Dispersing Agent	Long molecular chain, providing high dispersing power
Texcryn WD-80	40 ± 1	Wetting & Dispersing Agent	Improves color acceptance





Architectural Paint Emulsions

The emulsions are designed to meet the demanding needs of the paint industry for good durability, excellent film formation, versatile for different climate conditions, and most importantly – providing consistent performance.

Styrene Acrylic Emulsion

Product Name	% solids	MFFT (°C)	Key Properties
Texcryn PB-155	50 ± 2	17	Excellent water resistance and adhesion
Texcryn PB-20	50 ± 2	17	Hard & durable film with excellent weathering resistance
Texcryn PB-927	47 ± 2	16	Good gloss and pigment holding characteristics

Pure Acrylic Emulsion

Product Name	% solids	MFFT (°C)	Key Properties
Texcryn P-82	50 ± 2	16	Excellent water resistance and adhesion
Texcryn P-341	50 ± 2	18	Self crosslinking emulsion with

VAM Acrylic Emulsion

Product Name	% solids	MFFT (°C)	Key Properties
Texcryn B-152	55 ± 2	10	Colloid stabilized with good flow properties



Waterproofing Solutions

The emulsions are designed to meet the demanding needs of the paint industry for good durability, excellent film formation, versatile for different climate conditions, and most importantly – providing consistent performance.

Texcryn™ TC-400

Texcryn TC-400 is an **elastomeric styrene-acrylate copolymer dispersion** for modifying hydraulic binders. It is used mainly for producing flexible mortars, crack filling systems, ceramic tile adhesives, flexible cementitious coatings. TC-400 offers **high elasticity, elongation, strong adhesion to old surfaces, water-tightness and freeze thaw stability.**



Texcryn™ TC-76

Texcryn TC-76 is a solvent free, **hard, durable, modified styrene-acrylic copolymer emulsion.** It is designed for modifying cementitious compositions. Texcryn TC-76 modified cement mortars have excellent adhesion to a variety of surfaces such as concrete masonry, brick, wood, and metals. **It offers excellent abrasion and weathering resistance.**



Texcryn™ CLW

Texcryn CLW is a lignosulphonate based **waterproofing compound** and **“water reducer”/plasticizer** for plaster, cement mortar and concrete. Texcryn CLW stabilizes the cement particle by electrostatic repulsion, and thus releasing excess water from cement matrix.





Direct-to-metal (DTM) Emulsion

The demand for low/zero VOC coatings has created the need for water-based coating systems for application on metal which can provide high corrosion resistance, weathering resistance, ease of application and maintenance.

Texcryn™ M-59

Texcryn M-59 is an acrylic copolymer emulsion which can be used alone or with combination of other emulsions for DTM coating applications. It provides high salt and alkali resistance properties to withstand C1-C3 atmospheric conditions. Texcryn M-59 provides good flexibility, scrub resistance, and high pigment binding properties.

Basic Acrylic emulsion

Modified Acrylic emulsion

Texcryn M-59

Modified chemistry and structure in Texcryn M-59 helps in **improved adhesion** to different metal surfaces and **protects the surface from corrosion and rust.**

Performance Parameters

Humidity test
Duration: 45 days, 45°C
Dry film Thickness: 70 micron

Conventional Styrene Acrylic **Texcryn M-59**

Salt Spray ASTM B117
Duration: 500 hrs.
Dry film Thickness: 60 micron

Conventional Styrene Acrylic **Texcryn M-59**

Adhesion Test
Duration: 100 hrs. humidity exposure
Dry film Thickness: 125 micron

Conventional Styrene Acrylic **Texcryn M-59**

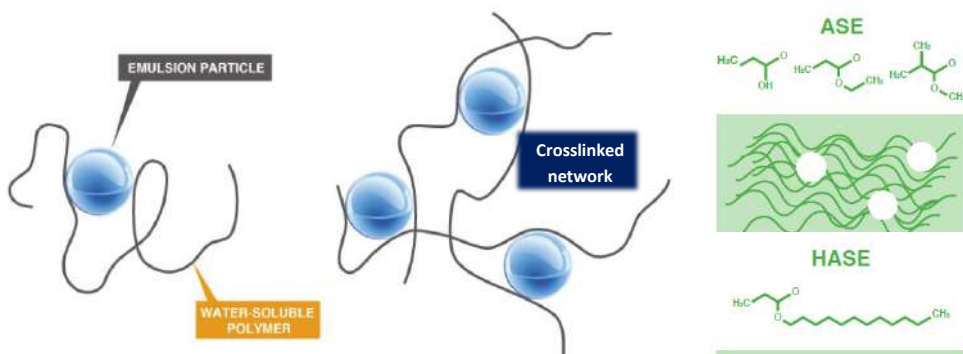


Rheology Modifiers

There are many different chemistries that can adjust the rheology of a paint and correct thickener choice will depend on several factors – and we help you overcome these factors with our range of products and technical service.

Acrylic (ASE) Thickener

Acrylic thickeners bridge the gaps between binder molecules, pigments, and fillers by creating an associative network. **Hydrophobic parts on the thickener molecule associate with binder particles by adsorption at the surface or by ion-dipole interaction.** The created bonds generate a given resistance against higher shear stress though can be broken down under shear.



Acrylic Thickeners

Texcryn T-60

Texcryn ST-60

Texcryn T-72

HASE Thickeners

Texcryn MT-30

Texcryn VT-936

Texcryn VT-711

Ammonium Thickeners

Texcryn T-110

Texcryn T-220

HASE Thickener

Like ASE, HASE thickeners are activated at pH higher than pH 7 through repulsion of carboxylate anions along the polymer backbone. However, HASE polymers present enhanced viscosity because the hydrophobic groups aggregate together in the water phase. These hydrophobic modifications can associate either with each other on an intra- or intermolecular basis or in combination with other hydrophobic materials, especially latexes and surfactants in a coating formulation.

Ammonium Thickener

Ammonium Polyacrylates are a multifunctional rheology modifiers – not only do they help in building the viscosity of the latex/paint, but also help in dispersing the inorganic pigments. Their low solids help in easy dissolution in the system and have very low foaming tendency.



Pigment Dispersing Agents

Pigments are usually the most expensive raw material in paint systems and can only show their full color strength if optimally dispersed. High performance dispersants can provide the required color quality with the minimum amount of pigment and, thus, help to minimize raw material costs.

Texcryl™ D-50

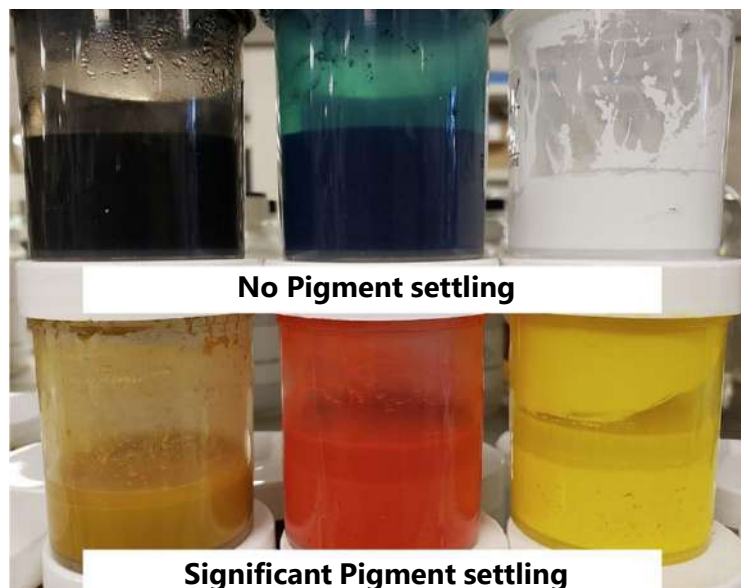
Texcryl D-50 is a medium molecular weight polymeric dispersing agent based on polyacrylate chemistry. It's controlled molecular weight helps in easy blending in the paint system, without increasing the paint viscosity.

Texcryl™ D-55

Texcryl D-55 is a high molecular weight polymeric dispersing agent. It shows superior performance at lower dosage concentrations and maintains the paint stability in harsh weather conditions and longer storage times.

Texcryl™ WD-80

Texcryl WD-80 is a copolymer with pigment affinic groups. It reduces viscosity and improves color acceptance for both inorganic and organic pigment systems. It helps in deflocculating the pigments – improving the flow characteristics and allowing higher pigment loading.





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