



**QUAKER COLOR**  
A Step Ahead...

## Welcome to Quaker Color – Specialty Chemicals

As a Specialty Chemical Company **Quaker Color** offers a variety of coatings products to the Global Market. We are leaders in automotive coatings in the USA, and have a strong presence in other North American countries, Latin America, and Europe. More recently we have expanded our business into Asia.

At **Quaker Color**, we are passionate about the chemical business. Our polyurethane dispersion technology continues to be on the cutting edge of coatings performance, allowing our technology to add value to your product where critical properties are needed to improve and enhance resistance, softness and toughness, feel, surface look, and color.

Our aim is to improve the quality of coatings for all end use applications whether it is for Automotive, Electronics, Industrial coatings, Metal coatings, Textiles, Paper, Construction, Rubber, Plastics, Shoe Finishes, Synthetic Leather Finishes or Wood Coatings.

At **Quaker Color** we are committed to innovating and developing environmentally friendly water-based products with superior performance while providing an economical cost advantage.

**The technologies and products we offer for coating various substrates include:**

**Poseidon Urethane: Water-borne Polyurethane dispersions-** High performance water-borne products that impart excellent adhesion to various substrates, with excellent film toughness, flexibility, non-yellowing resistance, water resistance, abrasion resistance, and chemical resistance. These products can be crosslinked to further enhance performance properties.

**Poseidon Linker: Crosslinkers-** Compatible with most acrylic and polyurethane binder systems; it significantly improves water and solvent resistance, toughness, abrasion resistance, block resistance, flexibility and long term durability of the coating inclusive of UV outdoor exposures.

**Q-Color: Pigments-** 0 VOC High quality concentrated pigment dispersions offering consistent accuracy in color matching, excellent wet/dry rub resistance, heat resistance, UV resistance, hiding power, and all while not detracting from the coatings' water resistance.

**Q-Feel: Touch and feel modifier-** Unique feel additives for exclusive use in water-based coating systems. It imparts a very pleasant feel of a silky and waxy nature with nice mellow handle.

**Q-Add: Additives used to enhance your coating system.**

**Wax-** Improves the surface feel, water and abrasion resistance properties.

**Thickener-** Provides the ability to effectively control the rheology of the coating.

**Flow agent-** To be used as a leveling and wetting aid for water-borne coatings on difficult to wet or non-absorbing substrates.

**Defoamer-** Eliminates trapped air bubbles/foam in the coating.

**Matting agent-** Highly compatible resin free dullers/fillers derived from unique chemistries, used for high opacity coatings without overloading the surface causing harsh and coarse feel, increases opacity and reduces gloss.

**Poseidon Top: Aqueous topcoats-**

Acrylic/Polyurethane topcoats ranging from glossy to dull, imparts exceptional coverage with outstanding physical properties in terms of flexibility, abrasion resistance, wet rub, excellent cold crack resistance, good flexibility, good surface feel, good light-fastness, heat stability and excellent flow properties.

**“Q-Color, Q-Upgrade, Poseidon Urethane, Q-Add, Poseidon Top, Q-Feel and Poseidon Linker” are Registered Brand Names and Trade Marks of Quaker Color.**

## Building & Construction

### Concrete Sealer - Aqueous Aliphatic Urethane Dispersion

Product	% Total Solids	Sward Hardness	% Elongation	Taber Abrasion mg loss	Performance Attributes
<b>Poseidon Urethane AB-90</b> <i>Aliphatic urethane</i>	32 ± 2	48	350	18	Specialty hard and flexible polymer designed to develop rapid hardness, flexibility and chemical resistance. It has excellent compatibility with hard acrylic resin binders. NMP Free version available.

### Concrete Stains- Aqueous Aliphatic Urethane Dispersion

Product	% Total Solids	Sward Hardness	% Elongation	Taber Abrasion mg loss	Performance Attributes
<b>Poseidon Urethane AB-90</b> <i>Aliphatic urethane</i>	32 ± 2	48	350	18	Specialty hard and flexible polymer designed to develop rapid hardening, excellent Taber abrasion, and chemical resistance. It has excellent compatibility with hard acrylic resins and polyurethane binders. NMP Free version available.
<b>Poseidon Urethane AB-72</b> <i>Aliphatic urethane</i>	33 ± 2	32	263	26	Unique hard polymer designed to impart excellent abrasion resistance, gloss, chemical resistance and outstanding toughness. It is compatible with acrylic resins and polyurethane binders. NMP Free version available.

### Concrete- Aqueous Aliphatic Urethane Dispersion

Product	% Total Solids	Sward Hardness	% Elongation	Taber Abrasion mg loss	Performance Attributes
<b>Poseidon Urethane AB-90</b> <i>Aliphatic urethane</i>	32 ± 2	48	350	18	Hard, high performance waterborne urethane polymer with rapid hardness development, flexibility, excellent abrasion, chemical resistance, water resistance and impact resistance. Highly suitable for formulating gloss, semi gloss and matte finishes. NMP Free version available.
<b>Poseidon Urethane AB-72</b> <i>Aliphatic urethane</i>	33 ± 2	32	263	26	Unique hard polymer designed to impart excellent abrasion resistance, gloss, chemical resistance and outstanding toughness. It is compatible with acrylic resins and polyurethane binders. NMP Free version available.
<b>Poseidon Urethane AB-70</b> <i>Aliphatic urethane</i>	37 ± 2	20	900	1	Good water resistance, very tough and flexible, good gloss, good flow and covering. Good adhesion, imparts smooth surface with nice touch. It is compatible with acrylic resins. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available.

### Window Frame & Doors- Aqueous Aliphatic Urethane Dispersion

Product	% Total Solids	Sward Hardness	% Elongation	Taber Abrasion mg loss	Performance Attributes
<b>Poseidon Urethane AB-72F</b> <i>Aliphatic urethane</i>	32 ± 2	34	350	26	NMP Free hard polymer designed to impart excellent abrasion resistance, gloss, chemical resistance and outstanding toughness. It is compatible with acrylic resins and polyurethane binders.

## Building & Construction (continued...)

### Industrial Paints- Aqueous Aliphatic Urethane Dispersion

Product	% Total Solids	Sward Hardness	% Elongation	Taber Abrasion mg loss	Performance Attributes
<b>Poseidon Urethane AB-90</b> <i>Aliphatic urethane</i>	32 ± 2	48	350	18	Specialty hard and flexible polymer designed to develop rapid hardness, good gloss, high covering, low dirt pickup, excellent Taber abrasion, fast drying, low odor, UV resistance, impact resistance and washability with good weather ability. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available.
<b>Poseidon Urethane AB-72</b> <i>Aliphatic urethane</i>	33 ± 2	32	263	26	Specialty hard and flexible polymer designed to develop rapid hardness, high covering, low dirt pickup, very good flow, good gloss, excellent Taber abrasion, fast drying, low odor, UV resistance, washability. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available.
<b>Poseidon Urethane AB-30</b> <i>Aliphatic urethane</i>	37 ± 2	25	700	10	Unique polymer designed to impart fast drying, excellent flexibility, low dirt pickup, excellent chemical resistance and impact resistance to hard acrylic polymers without sacrificing water resistance. It has excellent compatibility with hard acrylic resins and other additives. NMP Free version available.

### Crosslinkers

Product	% Total Solids	Equivalent Weight	Viscosity	pH	Performance Attributes
<b>Poseidon Linker XL-732N</b> <i>Polycarbodi imide</i>	39 ± 2	445	20	9.0-11	Unique crosslinker engineered to improve chemical, corrosion and impact resistance. Highly compatible with water based polyurethane and acrylic dispersions. The finish formulation crosslinked with Poseidon Linker XL-732N exhibits excellent pot life.
<b>Poseidon Linker XL-733N</b> <i>Polycarbodi imide</i>	39 ± 2	430	100	9.0-11	Unique crosslinker engineered to improve chemical, solvent and impact resistance used when rapid property development is needed. Highly compatible with water based polyurethane and acrylic dispersions.

Quaker Color manufactures all its products under carefully controlled conditions to meet rigid specifications. The values given in this publication are typical values intended as guidelines for the use of the products. They are not specifications. If you require the actual specifications currently in force on the specific products, contact your **Quaker Color** representative for the appropriate information