



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.

Plastic Substrates

Automotive Interior- Aqueous Aliphatic Urethane Dispersion

| Product | % Total Solids | Surface Tension | % Elongation | Taber Abrasion mg loss | Performance Attributes |
|--|----------------|-----------------|--------------|------------------------|---|
| Poseidon Urethane AB-90 <i>Aliphatic urethane</i> | 32 ± 2 | 34 | 350 | 18 | Specialty tough and flexible polymer designed for excellent adhesion, excellent Taber abrasion, UV resistance and chemical (sun screen) resistance. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available. |
| Poseidon Urethane AB-72 <i>Aliphatic urethane</i> | 33 ± 2 | 50 | 263 | 26 | Unique tough and flexible polymer designed to impart excellent gloss, chemical resistance, and outstanding toughness. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available. |
| Poseidon Urethane AB-30 <i>Aliphatic urethane</i> | 37 ± 2 | 52 | 700 | 10 | Unique polymer designed to impart toughness, flexibility and UV resistance. Suitable for formulating gloss, semi gloss and matte topcoat finishes. NMP Free version available. |
| Poseidon Urethane AB-70 <i>Aliphatic urethane</i> | 37 ± 2 | 48 | 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. |
| Poseidon Urethane ST-944 <i>Aliphatic urethane</i> | 35 ± 2 | 26 | 750 | 13 | Unique co-solvent free , low gloss, soft touch resin with excellent elongation designed to impart leather like feel and appearance to different synthetic substrates. |
| Poseidon Urethane ST-844 <i>Aliphatic urethane</i> | 33 ± 2 | 26 | 1000 | <10 | Unique co-solvent free , highly flexible, low gloss, soft touch resin designed to impart satin like feel. Good covering, smooth surface feel with uniform look and appearance to the different paper substrates. |

Crosslinkers

| Product | % Total Solids | Equivalent Weight | Viscosity | pH | Performance Attributes |
|--|----------------|-------------------|-----------|--------|---|
| Poseidon Linker XL-732N <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. |
| Poseidon Linker XL-733N <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