



PRODUCT INFORMATION

Product Name: QW24-1

Last Updated: April 7, 2015

PRODUCT

QW24-1: Urethane; Polyurethane; Waterbase Aliphatic Polyester Dispersion

DESCRIPTION

QW24-1 is a unique one component urethane emulsion, which exhibits many of the performance features of a crosslinked urethane. This polymer has exceptional resistance to water, including boiling water, while maintaining strong chemical resistance. The polymer is a translucent aliphatic waterbased urethane, which provides strong physical and chemical resistant properties without the necessity of crosslinkers. The polymer may be compounded, however, by the addition of crosslinkers if desired and is compatible with a wide range of acrylic resins. The polymer will provide excellent "hand" as well as the "warm touch" when applied over both flexible and rigid substrates.

APPLICATIONS

- Paper coatings
- Modifier for floor finishes
- Plastic coatings
- Heat reactivated adhesive coatings at 200-250 °F

TECHNICAL INFORMATION

% Solids	34 ± 1
Viscosity, cps @ 25°C	50 - 200 cps
Specific Gravity	1.05 ± 0.01
Wt./Gallon	8.7 lbs. ± .1
pH	7.75 ± 0.75
VOC Lb./Gal.	2.76 ± 0.05
VOC Grams/Liter	330 ± 8

TYPICAL PROPERTIES

CS10 Wheel ¹	8 mg
Hardness (Sward 1 week)	25 ± 5
Tensile Strength ²	5050 psi ± 500
Elongation ²	360% ± 10

TEST METHODS (ASTM Method)

% Solids - D-2369 Hardness - D-2134 Viscosity - D-2196
Abrasion - D-4060 Appearance - E-284pH- E-70
Tensile - D-412 Elongation - D-412 VOC Properties - D-3960
Weight/Gallon - D-1475

¹Taber Abrasion Weight Loss: 1000g load / 1000 cycles

²Instron Tensile Tester; films pulled at 2 in. /min.

FORMULATING TIPS

QW24-1 film forms at room temperature and is generally compatible with Chase QW resin series or a variety of acrylic resin emulsions.

STORAGE AND HANDLING

Store between 55 to 95 °F. Consult Safety Data Sheet prior to working with this material.

CLEAN UP

Soap and water. All applicators and utensils must be thoroughly cleaned prior to use. For further information, refer to the Safety Data Sheet. **WARNING: Refer to the Safety Data Sheet**

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