



PRODUCT INFORMATION

Product Name: QW28

Last Updated: April 7, 2015

PRODUCT

QW28: Urethane; Polyurethane: Waterbase Aliphatic Polyester Dispersion

DESCRIPTION

QW28 is a translucent aliphatic waterbased urethane resin. **QW28** is a soft flexible polymer with high elongation and tensile strength. **QW28** is excellent for flexible substrates that require a tough durable coating. **QW28** exhibits the best adhesion characteristics to common substrates of all the Chase aliphatic dispersions.

APPLICATIONS

- Textile Coatings
- Heat reactivated adhesives
- Additive for adhesion promotion
- Flexible films, polyester & vinyl, auto interiors

TECHNICAL INFORMATION

% Solids	36 -38
Viscosity, cps @ 25°C	25 - 500
Specific Gravity @ 25°C	1.1 ± .04
Wt./Gallon	8.80 lbs. ± .1
pH	7.75 ± 0.75
VOC Lb./Gal.	2.25 ± 0.08
VOC Grams/Liter	270 ± 8

TYPICAL PROPERTIES

Hardness (Sward, 1 week)	10
Tensile Strength ¹	5000 psi
Elongation ¹	500-600%
Modulus, 100%	350-425 psi

TEST METHODS (ASTM Method)

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

¹Instron Tensile Tester; films pulled at 2 in. /min.

FORMULATING TIPS

QW28 film forms at room temperature and is generally compatible with our other QW resin series or a variety of acrylic resin emulsions. **QW28** may be further crosslinked with aziridine or carbodimide. Carbodimide add 6-8 parts to 100 parts QW28 with thorough mixing. Mixture is active for 72 hours.

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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