



QW28, Urethane; Polyurethane: Waterbase Aliphatic Polyester Dispersion

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

% 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

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

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|------------------------|--------------------|
| % 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.

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.

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

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

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