



PRODUCT INFORMATION

Product Name: QW26

Last Updated: April 7, 2015

PRODUCT

QW26: Urethane; Polyurethane: Waterbase Aliphatic Polyester Dispersion

DESCRIPTION

QW26 is a one component aliphatic polyurethane dispersion featuring excellent hardness with a high degree of chemical and water resistance. The combination of high solids and low VOC makes this a good choice for coatings that require quick tack resistance and a hard chemical resistant finish. The aliphatic backbone makes this polymer an excellent choice for exterior applications where UV resistance is important. Low viscosity makes for excellent coating rheology. The combination of properties makes this dispersion an excellent choice for blending with our other dispersions or waterborne acrylics.

APPLICATIONS

- wood coatings
- metal coatings
- ink binders
- film laminations

TECHNICAL INFORMATION

% Solids	37 ± 1
Viscosity, cps @ 25 °C	50 - 500 cps
Specific Gravity	1.1 ± 0.04
Wt./Gallon	8.8 lbs. ± .1
pH	7.75 ± 0.75
VOC Lb./Gal.	1.52 ± 0.05
VOC Grams/Liter	182 ± 8

TYPICAL PROPERTIES

CS10 Wheel ¹	13 mg
Hardness (Sward, 1 week)	40 ± 5
Tensile Strength ²	6000 psi ± 500
Elongation ²	250 ± 10%

SOLVENT RESISTANCE (drop/rub: 1=best - 5= worst)

Water	MEK	Ethanol
1/1	2/2	3/3

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

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

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

FORMULATING TIPS

QW26 is not a film former and requires additional co-solvent for excellent film formation. **QW26** is compatible with Chase QW series resins and a variety of acrylic emulsion resins and can be cross linked carbodimide or aziridine.

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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