



PRODUCT INFORMATION

Product Name: QW93

PRODUCT

QW93

Urethane; Polyurethane; Waterbase Aliphatic Polyester Dispersion

DESCRIPTION

QW93 is a translucent aliphatic waterbased urethane resin. **QW93** provides solvent resistance and good physical properties without the use of typical crosslinkers. **QW93** is a single component low VOC product which offers better chemical and abrasion resistance than traditional polyurethane dispersions. **QW93's** extreme toughness allows formulators to develop high performance coatings and adhesives for the most demanding applications.

APPLICATIONS

- hard and soft wood floors
- furniture coatings
- concrete floors
- metal coatings
- plastics coatings
- base polymer for paint formulations
- heat reactivated adhesives at 300-350 °F

TECHNICAL INFORMATION

- % Solids 33+/-1
- Viscosity, cps @ 25 °C 25 - 550
- Specific Gravity 1.05 ± 0.04
- Wt./Gallon 8.8 lbs. ± .05
- pH 7.5 ± 0.5
- VOC Lb. /Gal. 2.64 ± .06
- VOC Grams/Liter 317 ± 8

TYPICAL PROPERTIES

- CS10 Wheel¹ 9 mg
- Hardness (Sward, 1 week) 30 +/- 5
- Tensile Strength² 3600 psi
- Elongation² 200%

TEST METHODS (ASTM Method)

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

Viscosity measured using a Brookfield LVF, #1 spindle

¹Taber Abrasion Weight Loss 1000 gram load/1000 cycles

²Instron tester; films pulled at 2 inches per minute

STORAGE AND HANDLING

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

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