



PRODUCT INFORMATION

Product Name: QW200

PRODUCT

QW200

Urethane; Polyurethane: Waterbase Aliphatic Polyester Dispersion, NMP FREE, TEA FREE

DESCRIPTION

QW200 is a translucent aliphatic waterbased urethane resin. **QW200** provides solvent resistance and good physical properties without the use of typical crosslinkers. **QW200** is a single component low VOC product which offers better chemical and abrasion resistance than traditional polyurethane dispersions. **QW200** extreme toughness allows formulators to develop high performance coatings and adhesives for the most demanding applications. **QW200** film forms at room temperature and **QW200** may be further crosslinked with carbodiimide or aziridine. **QW200** is generally compatible with other Chase QW resin series or a variety of acrylic emulsion resins.

APPLICATIONS

- Coatings for Wood & Resilient Floors
- Concrete sealers for floors
- metal coatings
- Vinyl & TPO coatings for automotive
- Base polymer for paint formulations for exterior exposure
- Flexible film top coats

BENEFITS

- No Hazardous ingredients to report on MSDS
- Water base, low VOC , low odor
- Excellent Properties without the use of crosslinker
- Great resistance to IPA & Ethanol

TECHNICAL INFORMATION:

- % Solids 33-36%
- Viscosity, cps @ 25°C 25 - 400
- Specific Gravity 1.06 ± 0.01
- Wt./Gallon 8.75 lbs. ± .1
- pH 7.75 ± 0.75
- VOC Lb. /Gal. 2.49 ± .05
- VOC Grams/Liter 297 ±

TYPICAL PROPERTIES

CS10 Wheel ¹	8 mg
Hardness (Sward, 1 week)	25
Tensile Strength ²	4000
Elongation ²	350%



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Solvent Resistance drop/rub (1=best - 5=worst)

	IPA	MEK	Ethanol
AQUENCE PI QW-200	1/1	3/3	2/2
AQUENCE PI QW200 + 4% Aziridine	1/1	2/2	2/2

Stain Tests (0=None - 5=Severe)

	Ink	Coffee	Catsup	Iodine	Mustard
AQUENCE PI QW-200	0	1	0	2	1
AQUENCE PI QW200 +4% Aziridine	0	1	0	1	1

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

¹Taber Abrasion Weight Loss 1000 gram load/1000 cycles

²Instron tester; films pulled at 2 inches per minute

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