



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 series resins 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:

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|--------------------------|----------------|
| • % 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
QW200	1/1	3/3	2/2
QW200 + 4% Aziridine	1/1	2/2	2/2

Stain Tests (0=None - 5=Severe)

	Ink	Coffee	Ketchup	Iodine	Mustard
QW200	0	1	0	2	1
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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