

**Urethane; Polyurethane: Waterbase Aliphatic
Solvent less Polyester Dispersion no NMP solvent**

AQUENCE PI SF26

PRODUCT DESCRIPTION:

AQUENCE PI SF26 is a translucent aliphatic waterbased urethane resin that contains no solvent and has good physical properties without the use of cross linkers. **AQUENCE PI SF26** a single component that must be coalesced with solvents, resins or additives to form a good film. **AQUENCE PI SF26** is an extremely hard resin and provides good chemical and abrasion resistance when properly formulated.

APPLICATIONS:

- Wood Coatings
- Concrete Coatings
- Metal Coatings
- Base Polymer for OEM Paint
- Exterior Paint

BENEFITS:

- Solvent less **AQUENCE PI SF26** allows formulator latitude in choosing the correct co-solvent for the application
- Extremely low VOC_coatings can be developed from **AQUENCE PI SF26**
- Coatings that need quick tack free properties can be formulated with **AQUENCE PI SF26**
- Exceptional UV resistance **AQUENCE PI SF26**
- Coatings that need high chemical resistance with excellent abrasion resistance can be formulated from **AQUENCE PI SF26**

STORAGE AND HANDLING: Store between 55 to 95°F. Consult MSDS Sheets 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 MSDS Sheet.

WARNING: Refer To the MSDS Sheet

TECHNICAL INFORMATION:

% Solids	20-38%
Viscosity, cps @ 25°C	25 - 500
Specific Gravity	1.06 ± 0.01
Wt./Gallon	8.75 lbs ± .1
pH	7.75 ± 0.75
VOC Grams/Liter	< 50 g/l

Typical Properties: (formulated film)

CS10 Wheel ¹	14 mg
Hardness (Sward 1 wk)	55
Tensile Strength ²	5500
Elongation ²	200%

FORMULATING: AQUENCE PI SF26 does not film form at room temperature. **AQUENCE PI SF26** may be further crosslinked with carbodimide or aziridine. **AQUENCE PI SF26** is generally compatible with our other QW resin series or a variety of acrylic resin emulsions.

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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