



PRODUCT INFORMATION

Product Name: SF26

PRODUCT

SF26 Urethane; Polyurethane; Solvent Free Waterbased Aliphatic Polyester Dispersion

DESCRIPTION

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

BENEFITS

- Solvent free **SF26** allows formulator latitude in choosing the correct co-solvent for the application
- Extremely low VOC coatings can be developed using **SF26**
- Coatings that need quick tack free properties can be formulated with **SF26**
- Imparts exceptional UV resistance.
- Imparts high chemical resistance with excellent abrasion resistance

APPLICATIONS

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

TECHNICAL INFORMATION

- % Solids 20-38%
- Viscosity, cps @ 25°C 25 - 500
- Specific Gravity 1.06 ± 0.01
- Wt./Gallon 8.75 lbs. ± 0.1
- pH 7.75 ± 0.75
- VOC (g/L) < 50 g/L

TYPICAL PROPERTIES

- Taber CS10 Wheel¹ 14 mg
- Hardness (Sward, 1 week) 55
- Tensile Strength² 5500
- 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

FORMULATING TIPS

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

STORAGE AND HANDLING

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



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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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