



P O D C

Urethane; Polyurethane: Waterbase Aliphatic Polyester Dispersion

D E C I P I O N

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

A P P L I C A T I O N

- 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

T E C H N I C A L I N F O M A T I O N

- % 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

T Y P I C A L P R O P E R T I E S

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

TEST METHODS AND METHODS

% 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