

Urethane Membrane

Uses

Urelastic 5000/6000 is a single component, elastomeric, liquid applied, moisture cured waterproofing membrane. It is ideally suited for use on concrete or plywood decks, including deck over occupied interior spaces.

Technical info

Base Coat

Hardness (Shore "A" Durometer) A.S.T.M. D-2240	75 +/- 5A
Tensile Strength (psi) A.S.T.M. D-412	1000 +/- 10%
Elongation (%) A.S.T.M. D-412	200
Tear Resistance (Die C) A.S.T.M. D-624	72 lb/in
Adhesive Peel Strength on Primed Concrete A.S.T.M. D-794	32 pli cohesive failure
Peel Strength on Plywood A.S.T.M. D-794	35 pli cohesive failure
Solids Content	82% +/- 2%% by weight
	80% +/- 2% by volume
Water Absorption (24 hr @ 1200F) A.S.T.M. D-570	2.85 % by weight
Temperature Service Range	-50° F to +200° F
	-45°C to +93°C
Viscosity at 77°F (25°C) Brookfield	50 ± 10 poises
Moisture Vapor Transmission A.S.T.M. E96	1.8 perms +/- 0.4
Abrasion Resistance A.S.T.M. D-4060	0.16% weight loss
Bond-strength (Plywood) ASTM D4541	134 psi, plywood failure
VOC	97 g/l

Topcoat

Viscosity (@77°F (25°C) Brookfield Viscometer	30 ± 5 poise
Weight Per Gallon (pounds)	9.45 – 9.90
Solid Content (%) ASTM D 2369	Weight % 80 ± 2
	Volume % 78 ± 2
VOC	100 g/l
Hardness (Durometer)	ASTM D 2240 95A (40D)
Tensile Strength (psi) ASTM D 412	2780 ± 10%
Elongation (%) ASTM D 412	200 ± 10%
Peel Strength on Plywood ASTM D 903	N/A
Water Absorption ASTM D570	1.52%
Moisture Vapor Transmission ASTM E 96	N/A
Tear Strength (psi) ASTM D 624	280
Abrasion Resistance ASTM D 4060	0.1545 grams
	(1000 cycles, 1000 gram weight) (CS 17 wheel)
Weather-o-Meter ASTM D1499 2000 hours	No crazing, cracking, spalling, or softening
Chemical Resistance ASTM D 2299	No cracks, spalls, or softening
	Chemicals Tested:
	Industrial Detergent Solution (20% Vol.) Ammonia Solution (5% by Vol.) Salt Solution (20% by Vol.) Muriatic Acid (10% by Vol.) Chlorine Solution (10% by Vol.) Ethylene Glycol Anti-Freeze Kerosene, Turpentine, Paint Thinner
Temperature Service Range	-500 F to +1800 F (-45OC to +82.2OC)