

PLIA-THANE 4975

POLYURETHANE WATERPROOFING



DESCRIPTION

PLIA-THANE 4975 is a 100% solids, flexible polyurethane elastomer system designed as a waterproofing membrane or secondary containment system. It can be used to protect concrete, steel and many other substrates from water intrusion, chemical attack and wear/abrasion. The PLIA-THANE 4975 has a relatively long potlife and can be batched mixed and applied through standard airless spray equipment or can be squeezed or roller applied to the substrate. The longer potlife of this system allows a geotextile fabric to be incorporated into the membrane when reinforcing is needed.

TYPICAL USES & APPLICATIONS

- Tough, durable elastomeric finish
- Waterproofing of concrete decks
- Waterproofing of foundations
- Bridge Deck linings
- Secondary Containment linings
- Geotextile linings

ADVANTAGES

- 100% Solids,, Meets VOC Regulations
- Flexible
- 1:2 mix ratio
- Long Pot Life
- Plural equipment not required
- Outstanding waterproofing properties
- Outstanding chemical resistance
- Thermal shock resistant for freeze/thaw cycles
- Odorless, No Toxic Vapors

PACKAGING

Container Sizes	5 Gallon / Drum Kits
Shipping Weights	12.5 lb/gal (5.7 kg/gal)
	Pails -200 lbs per 15gal kit
	Drums - 2000 lbs 150 gal kit

PHYSICAL DATA

Solids By Volume	100%
Theoretical Coverage	1604 mil ft ² /gal
Volatile Organic Compounds	0 lbs / gal (0 gm/L)
Recommended DFT	50 - 150 mils
Number of Coats	1 or more
Mix Ratio A:B	1A: 2B
Shelf Life	12 months
Color	Black / Tan
Flash Point - PMCC	>250° F (121° C)
Viscosity- LV4/60 RPM	
Component A	1000 cps
Component B	800 cps

SPECIFICATION DATA

Tensile Strength [ASTM D 412]	1500 - 2000 psi
Elongation [ASTM D 412]	250 - 275 %
Hardness [ASTM D 2240]	65-70 Shore
Weatherability [ASTM G53] 2000 hours	PASSES

POT LIFE / CURE TIME

Potlife 8-15 mins @ 70° F
Dry to Touch 4-4.5 hrs @ 70° F
Cure to handle 8-10 hrs @ 70° F