

# GEO-TEK 4950

## POLYUREA LINING SYSTEM



## DESCRIPTION

GEO-TEK is a 100% solids, two component fast cure polyurea elastomeric membrane designed to create a seamless system for linings and waterproofing applications. The system is flexible, tough and has excellent resistance to water immersion, chemicals and weathering. The GEO-TEK is ideal for waterproofing concrete foundations, below grade decks, bridge decks and secondary containment. This product requires heated plural spray equipment.

## TYPICAL USES & APPLICATIONS

Geo-Tek 4950 can be applied over concrete and steel as a lining or waterproofing membrane or sprayed over geo-textile fabric surfaces to create a primary or secondary lining. It is an excellent lining for containing chemical containment spills and as a direct lining for waste water and similar applications.

## ADVANTAGES

- 100% Solids, Meets VOC Regulations
- Outstanding impact resistance & flexibility
- Good resistance to UV degradation
- Can be used with geo-textile fabric
- Unlimited film build in multi-passes
- Outstanding waterproofing properties
- Thermal shock resistant for freeze/thaw cycles
- Cures at lower temperatures

## PACKAGING

Container Sizes	10 & 100 Gallon Kits
Shipping Weights	45lbs pails & 450 lbs drums

## SURFACE PREPARATION

Surface must be clean of all oil, grease or other contaminants in order to be coated in accordance with SSPC-SP1.

## MIXING

Only Component "B" require mixing daily. Use heated plural equipment only.

## POT LIFE

15-30 seconds

## PHYSICAL DATA

Solids By Volume	100%
Theoretical Coverage	1604 mil ft <sup>2</sup> /gal
Volatile Organic Compounds	0 lbs / gal (0 gm/L)
Recommended DFT	20 - 125 mils
Number of Coats	1 or more
Mix Ratio	1 to 1
Shelf Life	12 months
Color	Black (Gray, Tan)
Flash Point - PMCC	>300° F (148° C)
Viscosity- LV4/60 RPM	
Component A	925
Component B	1200

## SPECIFICATION DATA

Tensile Strength [ASTM D 412]	2050 psi
Elongation [ASTM D 412]	250-300%
Hardness [ASTM D 2240]	85 Shore A
Tear Resistance [ASTM D 412]	150-175 psi
Weatherability [ASTM G-53] 2000 hrs	PASSES
Permeability [ASTM E 96]	0.19 Perms

## PRIMERS & TOP COATS

Use Creative Polymer URE-PRIME 1350 Polyurethane Primer for concrete, steel (sandblasted) and for priming old polyurethane and polyurea systems.