

HAZGARD® 1000 – GEOMEMBRANE

A HAZGARD® 1000 geomembrane provides the strength and durability required for secondary spill containment. Uniquely resistant to a wide range of chemicals, including hydrocarbons, solvents, acids, bases, and salts, HAZGARD® 1000 geomembranes are some of the most chemically-resistant materials available today.

A specialized secondary containment liner material specifically designed for fuel containment and the containment of benzene, toluene, and xylene (BTEX) solvents or mixtures containing high concentrations of BTEX-type chemicals.

April 2023		HAZGARD® 1000	
Material Properties	Rev	ASTM	HAZGARD® 1000
	Fire Code Compliant		Yes: Class 1 ULC/ORD C58.9
	28d Permeance to Test Fluids*		<10 g/m ² /hr
	30d Compatibility to Test Fluids*		<10% Wt Change
	30d Soil Burial		Pass
	Tear Strength after 30d in Gasoline		>90% retained
	Thickness	ASTM D5199	26 mil 0.65 mm
	Tensile Strength	ASTM D751 Grab Method	400 x 350 lbs 1780 x 1560 N
	Elongation	ASTM D751	25 %
	Low Temperature	ASTM D2136	-45°F -43°C

*Test Fluids include 16 different flammable, combustible, and oxygenated liquids as defined by the ULC/ORD C58.9.

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For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com

April 2023 HAZGARD® 1000 Minimum Shop Seam Strengths		
Style	ASTM	HAZGARD® 1000
Heat Bonded Seam Strength	D7004 Grab Method	200 lbs 890 N
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	19 ppi 3.3 N/mm

April 2023 HAZGARD® 1000 Minimum Field Seam Strengths		
Style	ASTM	HAZGARD® 1000
Heat Bonded Seam Strength	D7004 Grab Method	200 lbs 890 N
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	19 ppi 3.3 N/mm

INSTALLATION

HAZGARD 1000 materials are flexible enough to be prefabricated at our facility into large panels. The prefabricated panel is accordion folded, rolled onto a core, and then delivered to the job site secured to a pallet. Prefabricated panels can often cover a small project with a single panel. Often local labor forces can be used to unroll and unfold the panel, while on larger projects, trained installation technicians should be brought out to join panels. If field welds are required, HAZGARD 1000 materials are welded with wedge welders for production seaming and hand hot air welders for repair.

Each liner panel will have a label that will indicate the unrolling and the unfolding direction. Placement of the panel in the correct location before unrolling will greatly ease installation. Once the liner material is placed, then it should be attached to any required walls and piping and then carefully backfilled.

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