

# HAZGARD® 5000HT – GEOMEMBRANE

A HAZGARD® 5000HT 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® 5000HT geomembranes are some of the most chemically-resistant materials available today.

Layfield's strongest supported geomembrane, HAZGARD® 5000HT, is formulated to withstand continuous temperatures up to 90° C (194° F) and to contain hydrocarbons at elevated temperatures in the event of a spill.

April 2023		HAZGARD® 5000HT	
Material Properties	Rev	ASTM	HAZGARD® 5000HT
	Thickness (Nominal)	D1593	30 mil 0.75 mm
	Thickness Minimum	D1593	30 mil 0.75
	Tensile Strength	D882 <sup>1</sup> D751 <sup>2</sup>	650 lbs <sup>2</sup> 2892 N
	Elongation	D882 <sup>1</sup> D751 <sup>2</sup>	22% <sup>2</sup>
	Tear Strength	D1004 <sup>1</sup> D751B <sup>2</sup> D4533 <sup>3</sup>	50 lbs <sup>3</sup> 223 N
	Low Temperature	D1790 <sup>1</sup> D2136 <sup>2</sup>	-30°F <sup>2</sup> -34°C (3 mm mandrel, 4 hr)

Note: Superscript numbers indicate the test methods used for each material.

April 2023		HAZGARD® 5000HT Minimum Shop Seam Strengths	
Style	ASTM	HAZGARD® 5000HT	
Heat Bonded Seam Strength	D6392	210 ppi	
	D7747 1" Strip	36.8 N/mm	
Heat Bonded Peel Adhesion Strength	D6392	15 ppi	
	D7747 1" Strip	2.6 N/mm	

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April 2023

**HAZGARD® 5000HT Minimum Field Seam Strengths**

Style	ASTM	HAZGARD® 5000HT
Heat Bonded Seam Strength	D6392	140 ppi
	D7747	24.5 N/mm
	1" Strip	
Heat Bonded Peel Adhesion Strength	D6392	10 ppi
	D7747	1.7 N/mm
	1" Strip	

**INSTALLATION**

Layfield's HAZGARD® series materials are flexible enough to be prefabricated at our facility into large panels. The prefabricated panel is accordion folded, rolled on a core, and delivered to the job site secured to a pallet. Prefabricated panels can often cover a small project with a single panel. 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® 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 prior to 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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