



Contain Enviro Services Ltd. is the leader in the supply and installation of geomembranes for a wide variety of challenging containment applications. Contain Enviro Services Ltd. feels that there is no single geomembrane which is suitable for every containment application. Therefore, we have insured that we have access to the complete spectrum of geomembrane materials and can suggest the most appropriate and cost effective material for your containment project.

The HAZGARD® series of geomembranes are an excellent choice when outstanding chemical resistance and ease of installation is required. HAZGARD® 100 and 250 are specialized oil resistant PVC alloy materials. HAZGARD® 100 and HAZGARD® 250 have been used effectively for many secondary containment applications. The unsupported HAZGARD®100 is ideal for small secondary containments, hydrocarbon vapour liners under buildings, soil remediation pads and soil cut off curtains to stop the movement of underground hydrocarbon contaminants. HAZGARD®250 is a fabric supported material with the same coating as the HAZGARD®100. The supported version is ideal for suspending curtains in deep vertical trenches for underground soil cut-off curtains, larger secondary containments, and for applications where a higher strength material is required for protection during installation. Both HAZGARD®100 and 250 can be solvent bonded or heat bonded making it ideal for installation by contractors or owners.

Panels can be fabricated to meet the requirements of your specific containment system. HAZGARD® liners are typically limited to panel weights of 2500 lbs., however if a skilled installation crew is available then panel weights up to 4000 lbs. are possible.

The geomembrane selection process can often be challenging. Besides the geomembrane material performance, several other factors should be considered; wind, moisture, temperature fluctuations, installation location and construction schedule are only a few that need to be factored into your geomembrane selection. Contain Enviro Services has over 15 years of geomembrane installation experience and can help guide you through the process. With access to the complete range of Geomembrane materials, Contain Enviro Services Ltd. will suggest the most cost-effective liner material while still meeting the timing, environmental and safety requirements of your project.



HAZGARD®

HAZGARD® Minimum Material Properties						
Standard	ASTM (U)	HAZGARD® 100(U)	ASTM (S)	HAZGARD® 250(S)	HAZGARD® 5000 HT	HAZGARD® 1000
Thickness (Nominal)	D1593	30 mil 0.75 mm	D1593	38 mil 0.95 mm	30 mil 0.75 mm	27 mil 0.68 mm
Thickness Minimum	D1593	28.5 mil 0.72 mm	D1593	36 mil 0.91 mm	30 mil 0.75 mm	26 mil 0.65
Tensile Strength (MD)	D882	57 ppi 10 N/mm	D751	180 lbs 800 N	600 lbs 2700 N	400 x 350 lbs 1775x1555 N
Elongation	D882	500 %	D751	25 %	25 %	25%
Tear Strength (MD)	D1004	6 lbs 26.7 N	D751-B Tongue	22 lbs 98 N	125 lbs 556 N	150 lbs 667 N
Low Temperature	D1790	-22°F -30°C	D2136	-22°F -30°C	-22°F -30°C	-45°F -43°C
HAZGARD® Minimum Shop Seam Strengths						
Standard	ASTM (U)	HAZGARD® 100(U)	ASTM (S)	HAZGARD® 250(S)	HAZGARD® 5000 HT	HAZGARD® 1000
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	37 ppi 6.5 N/mm	D6392 25.4 mm (1") Strip	100 ppi 17.5 N/mm	210 ppi 36.8 N/mm	100 ppi 17.5 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	19 ppi 3.3 N/mm	D6392 25.4 mm (1") Strip	20 ppi 3.5 N/mm	20 ppi 3.5 N/mm	15 ppi 2.6 N/mm
HAZGARD® Minimum Field Seam Strengths						
Standard	ASTM (U)	HAZGARD® 100(U)	ASTM (S)	HAZGARD® 250(S)	HAZGARD® 5000 HT	HAZGARD® 1000
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	Solvent 28 ppi 5.0 N/mm	D6392 25.4 mm (1") Strip	80 ppi 14 N/mm	140 ppi 24.5 N/mm	80 ppi 14 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	Solvent 10 ppi 1.7 N/mm	D6392 25.4 mm (1") Strip	15 ppi 2.6 N/mm	15 ppi 2.6 N/mm	15 ppi 2.6 N/mm

For More Information, Please Visit Our Website www.contain.ca