



Tech Note: Insulated Floating Covers



During winter months it can be expensive and difficult to keep water from freezing for use in hydraulic fracturing procedures. Heating costs can be dramatically decreased by the use of insulating floating covers to help prevent heat loss of the open body of water. Whether your application is a lined earthen pit or an aboveground steel water tank, Contain Enviro can custom suit your requirements.

Constructed of insulating expanded foam sandwiched between two layers of Linear Low Density Polyethylene (LLDPE) geomembrane sheeting, manufactured in either 8' x 20' or 8' x 40' sections, each panel is both lightweight and insulating. The sections are easily transported to site on a regular flat deck; then assembled prior to the tank or pit being flooded.

Each panel has holes around its perimeter which line up with the adjacent panel to be held together by a special injection molded pins. As the pins line up along the edge of each section, you have the option of running a cable or rope along the row, allowing for the cover to be fastened down or guided as required.





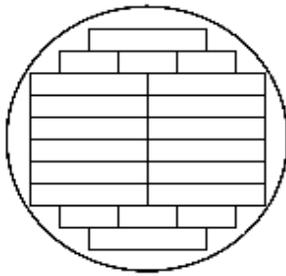
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Once the panels are assembled according to the provided panel layout, the tank or pit can be flooded by discharging the water directly on top. The panels are designed to allow water to pass freely between sections allowing the entire structure to float uniformly.

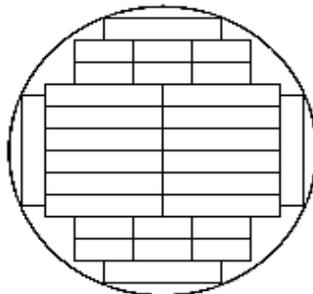
By design each panel section is rectangular, ruling out a snug fit inside an aboveground circular steel containment, in these cases you have the option of ordering custom sections which will fit into these open areas, each labelled to ensure ease of assembly.

LEGEND

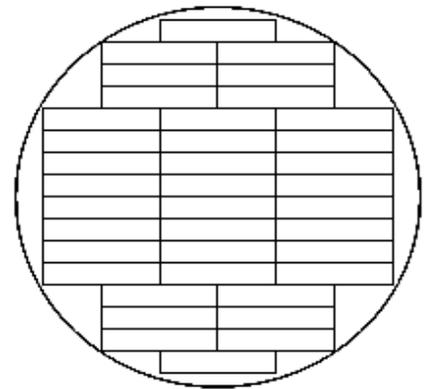
-  HALF PANEL - 20' x 8' x 2" THICK
-  FULL PANEL - 40' x 8' x 2" THICK



1 Ø 96 TANK
Scale: N=1:5



2 Ø 105 TANK
Scale: N=1:5



3 Ø 138 TANK
Scale: N=1:5

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.

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