



CONTAINMENT

With over 25 years of experience in geomembrane containment technology, Nilex offers complete design assistance, in-house fabrication, installation, and construction services for the geosynthetic components of all containment structures. We work with owners, engineering consultants, and general contractors to ensure optimum design with the most efficient and cost-effective installation for almost any geomembrane application.

Applications include tank farms, landfills, ponds, lagoons, heap leach pads, and hazardous waste storage.



CONTAINMENT

PRIMARY CONTAINMENT

Primary containment applications, such as landfills or tailings ponds, require geomembranes to prevent the leaching of materials into the surrounding soil and groundwater. Nilex geomembrane technology provides containment options for a wide range of liquids, solids, and waste materials. Specialty materials are available for unique chemical and/or thermal conditions.

SECONDARY CONTAINMENT

The storage of industrial liquids in tanks, drums, or other containers usually requires the construction of a secondary containment facility that provides protection against potential leaks or breaches. Nilex offers several options for long-term or temporary secondary spill containment materials that are custom fabricated to the size required. Specialty materials are also available for unique chemical and/or thermal conditions.

TANK LINING

Nilex has extensive experience installing primary containment lining systems inside steel, concrete, and wood containment structures. With over 1,100 structures lined, Nilex uses technically advanced geosynthetic materials to fabricate our Loose-Fit Tank Lining System, making it possible to install a primary containment system inside above ground storage tanks and below ground concrete structures. The loose-fit nature of the liners allows continuous monitoring to ensure containment and protection of the tank and the environment.

VAPOUR MANAGEMENT SYSTEMS

Vapour management systems use geomembranes to inhibit the seepage of gases, such as radon and methane from one area to another. Geomembrane liners can be installed under or around concrete foundations and floors to prevent the build-up of dangerous gases in building structures, eliminating potential indoor air quality health risks associated with subsurface contaminant vapour intrusion. Any gas that is generated under the building is transported under the liner and then vented safely to the outside.

INSTALLATION SERVICES

Nilex Construction Inc. provides construction/installation services for containment systems. The specialized nature of these technologies have provided the unique opportunity for Nilex to develop technical skills, build and acquire specialized equipment and train qualified technical staff required to carry out these geosynthetic installation services. The Nilex Construction Group is fully equipped to handle the execution of any size project involving geosynthetics locally or internationally.

COVERS

Geomembrane covers are used to protect materials from water infiltration, prevent loss of material from erosion by wind or water, and provide odour control. Short-term cover applications include soil remediation projects, temporary stock pile covers and erosion protection on slopes in active construction sites. A common long-term application is a landfill closure cover or cap. Nilex offers a variety of materials suited to cover applications.