

Fastest Growing Underground Tank Technology



*Installing FibreThane ACT-100-U®
underground tanks.*

In August 1999, the Steel Tank Institute of Lake Zurich, Illinois reported that approximately 2500 ACT-100-U® tanks were registered since the technology's first approval 18 months earlier.

This rapid rate of growth makes ACT-100-U® the fastest growing underground tank technology in America. The vast majority of these ACT-100-U® tanks have been made with Madison Chemical's FibreThane polyurethane cladding technology.

This technology has gained rapid acceptance because it offers an economical tank that meets all of the industry's required standards. ACT-100-U® tanks pass all of the UL1746 testing and meet EPA requirements while being more economical to produce than conventional FRP (fiberglass reinforced plastic) clad tanks.

The total applied cost of FibreThane is 25% to 50% lower than that of FRP cladding. Coating a typical 10,000 gallon tank using Madison's FibreThane can be completed in under 2 hours, while coating the same tank using FRP can take up to 24 labor hours. Using the FibreThane system, tank manufacturers are able to reduce labor and production costs without sacrificing quality or performance.

Increasingly tight air pollution regulations are a significant factor in the rapid growth of ACT-100-U® technology. The FibreThane cladding system is categorized as 100% solids or solvent-free and therefore has almost no harmful air pollutants (VOCs - volatile organic compounds).

The EPA recognizes FibreThane, in its cured state, as an inert plastic that will not contaminate ground water or soil in any way. FRP systems on the other hand, contain between 15% and 30% VOCs. In many areas, EPA air pollution restrictions have forced FRP production facilities to install expensive air treatment equipment and/or to pay significant fines. The more environmentally friendly ACT-100-U® tank eliminates any such costs.

In addition, ACT-100-U® tanks do not require any cathodic protection or monitoring, and each tank is under warranty for thirty years.

ACT-100-U® tank technology will continue to make significant inroads with the UST market. The technology meets all industry requirements while being safer, more environmentally friendly and more economical to produce than UL1746(Part II) FRP systems.



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