HOOVER VAULT® VS. CONVAULT

LIGHTWEIGHT CONCRETE CSI VAULT TANK & 4,000/5,000 PSI CONCRETE CONVAULT TANK

Containment Solutions Hoover Vault® tank is listed in accordance with:

- U/L 2085 Insulated Secondary Containment Standard for Protected Secondary Containment, Aboveground Tank for flammable and combustible liquids.
- UFC (Uniform Fire Code) Standard Appendix II F (formerly UFC 78-7) and U/L 2085. The Hoover Vault tank is designed to provide a minimum two (2) hour fire rating.
- UFC Appendix II F All Vault Tank designs are resistant to bullet penetration.

Lightweight Hoover Vault tanks exceed the specifications for ConVault tanks as follows:

HOOVER VAULT TANK	CONVAULT TANK
Lightweight concrete provides R-10 insulating factor for internal products.	4,000/5,000 psi concrete does not provide enough insulating value to meet the lowest R level rating.
Lightweight concrete provides lower temperature rise of product when subjected to (2) hour fire test due to insulating properties of lightweight concrete.	4,000/5,000 psi concrete is heat absorbing, not insulating.
Lightweight concrete weighs on average 50% less, often avoiding expensive permits and equipment during transport and/or relocation.	4,000/5,000 psi concrete requires permits and heavy equipment for transport and relocation.
Potential leaks are contained in protective outer steel wall during migration to monitoring tube.	Leak detection tube passes through primary tank and terminates in geomembrane liner.
Top fittings are seal welded to the primary and secondary tanks, providing liquid tight protection.	Concrete is formed directly around the primary tank steel fittings. Expansion and contraction of concrete causes a void to form between concrete and steel.
Emergency venting devices on the primary tank and secondary containment.	Emergency venting device cannot be installed on secondary containment.
Outer steel tank prevents cracking and spalling of concrete due to thermal conditions.	Concrete exterior allows cracking and spalling.
Outer steel tank provides pressure testable secondary containment. Storage tanks can be pressure tested in the factory as well as in the field.	The 30-mil high-density polyethylene membrane (HDPE) surrounding the primary tank is not pressure testable.
Industrial epoxy finish with urethane top coat standard. Fibervault® exterior finish available with 10 year warranty.	Epoxy finish standard; other finishes available.

CONTAINMENT SOLUTIONS®

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