



DRITHERM[®]



**Underground Pipe Insulation
Corrosion Protection**

Dritherm International, Inc. manufactures DriTherm[®], waterproof underground pipe insulation and corrosion protection, for use around underground pipes/tanks and structures. The DriTherm[®] formula has been continuously manufactured since 1967, with over 4.5 million cubic feet of product (equivalent of over 300 miles of piping) satisfactorily installed throughout North America, South America, the Caribbean, North Africa, Europe, and Japan.

The function of DriTherm[®] is to provide both pipe insulation and corrosion protection in a field applied system. DriTherm[®] is installed directly around piping to form a dense, closed cell barrier, between piping and the surrounding soil. Once installed to specified dimensions, the product self compacts upon backfill to form a strong (12,000 PSF) block of cohesively bonded particles that prevent air, water, moisture passage to the carrier piping.



Typical Trench Forming



Removal of Temporary Spacers

PRODUCT FEATURES

- One Product Insulates Both Hot and Cold Pipes
- Available in 50 Lb. Bags or 40 CF Super Sacks
- SELF COMPACTING: Pour from Bag / Sack and Backfill
- Typical Thermal Efficiency: 80 – 95%
- No Cathodic Protection Required for Steel Piping
- Meets United Facilities Guide Specifications (UFGS) for new construction on military bases and federal institutions, which Corps of Engineers, Naval Facilities Engineering, Department of the Air Force, Veterans Administration
- One of the Lowest - Life Cycle Installed Cost Systems
- No Maintenance Required for Life of System
- Completely Non Toxic – User Friendly – Environmentally Safe
- Manufactured at Facilities Certified ISO 9002

Typical DriTherm[®] applications are on High Pressure Steam/Condensate, Hot & Chill Water piping. Our customer base includes major colleges and universities, as well as state and federal institutions, military bases, refineries and industrial/housing complexes. When compared to traditional products, a DriTherm[®] system can be as much as 40% less in total installed cost, with no compromise in thermal efficiency or longevity.

DriTherm[®] is manufactured and stock maintained at (6) facilities in the United States, located in California, Georgia, Illinois, Massachusetts, and Texas. In Canada, DriTherm[®] is warehoused and distributed in Montreal, Ottawa, and Winnipeg. Enough DriTherm[®] to insulate and protect several hundred feet of underground piping can be shipped to arrive anywhere in the continental United States within (24) hours.



Packaged in Super Sacks



14 Year Old Installation

PHYSICAL PROPERTIES

- Thermal Conductivity: (ASTM C-177) $K=0.58 \text{ btu/hr/ft}^2 \text{ }^\circ\text{F/in}$ (100 $^\circ\text{F}$) and $K=0.68$ (300 $^\circ\text{F}$)
- Temperature Range: $-273 \text{ }^\circ\text{F}$ (Cryogenic) to 480 $^\circ\text{F}$ (250 $^\circ\text{C}$)
- Bulk Density: 60 – 62 lbs. per cubic feet (CF) installed
- Load Bearing: up to 12,000 lbs. per square feet
- Electrical Resistivity: $R=10^{14} \text{ OHMS-CM}$
- Dielectric Constant: 2.7
- Friction Coefficient: 0.35 ± 0.04
- Water / Moisture Resistance: Withstands 10 ft. hydrostatic head of water for minimum of 14 days with moisture gain less than 0.02%

Manufacturing /Shipping Points



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