

Therm-O-Tile
REG. U.S. PAT. OFF.

H. W. Porter & Co., Inc.
817-G Frelinghuysen Ave., Newark 5, New Jersey

Permanent Protection and
Insulation for Underground
Pipe Lines.

REID HAYDEN, INC.
Baltimore, Md. Richmond, Va. Charlotte, N.C.

Also sold and installed by Johns-Manville Construction Units in all principal cities.

The Advantages Offered by Therm-O-Tile are:

- 1—Higher efficiency PERMANENTLY. A dry conduit PERMANENTLY. Insulation always DRY.
- 2—Sealing is positive throughout. Internal drainage assures dry, efficient insulation.
- 3—An arched construction that is stronger than required by ASTM.
- 4—"Spread-Footing" foundation. The "sidewalk" makes installation easier.
- 5—Surrounded by sealed air.
- 6—All loads are taken directly by an unyielding base.
- 7—The correct slope is PERMANENT, hence no condensation pockets.
- 8—PERMANENCE assures maximum economy. Lowest ultimate cost.

With wet insulation, efficiency drops drastically, and unless the conduit is built on an unyielding foundation there may be sagging and collection of water in pockets.

Drainage Channel. The Therm-O-Tile concrete base contains a drainage channel—see photograph—which carries off all water that may enter the conduit from any source, thus keeping the insulation PERMANENTLY dry. Drainage is entirely internal and ample to keep the pipe space always dry. Open to thorough inspection at any time at man-holes.

"Spread-Footing" Foundation. The foundation base of Therm-O-Tile is a thick concrete slab poured directly in the trench bottom. This positively prevents settling and sagging. The original sur-

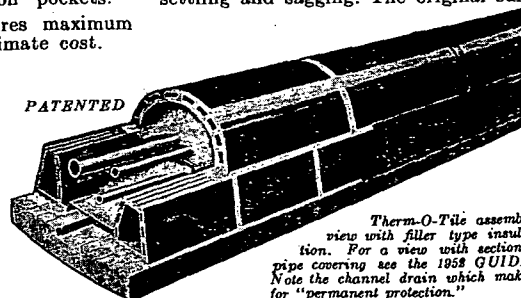
THERM-O-TILE

STEAM

CONDUIT

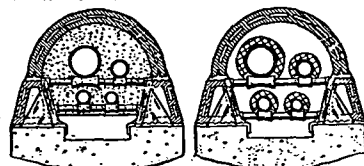
SYSTEMS

PATENTED



Therm-O-Tile assembly view with filler type insulation. For a view with sectional pipe covering see the 1958 GUIDE. Note the channel drain which makes for "permanent protection."

All leading heating and ventilating engineers have known PERMANENT Therm-O-Tile for many years, but we wish, again, to emphasize the importance of "Permanent protection." It is easy to provide TEMPORARY protection and insulation under ground. Threads and joints don't fail immediately. Foundations don't sag immediately. But unless the job is properly done INITIALLY it won't be long before water seeps in and ruins the insulation.



Therm-O-Tile Conduit with Filler Type Insulation. Therm-O-Tile Conduit with Sectional Pipe Covering.

veyor's slope is PERMANENTLY held hence condensate pockets cannot form. Steel reinforced or placed on piles when installed over filled or boggy ground to insure PERMANENCY.

27 Conduit Sections. Top and base sections of the Therm-O-Tile envelope are made in a number of different sizes. 27 conduit sections are thus made available. For complete data ask for *Therm-O-Tile Bulletin*.

Competes in Original Cost. In spite of the superior features obtained in Therm-O-Tile, it is nevertheless competitive in total first cost.

Engineers — Contractors — Manufacturers. Write, phone, or wire the nearest Porter-Hayden or Johns-Manville Technical Service Unit for estimates, recommendations, and complete specifications for the conduit and insulation on any underground pipe line project.

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The Ric-wiL Company

Prefabricated Insulated Piping Systems
UNDERGROUND or OVERHEAD

Barberton, Ohio

Representatives in Principal Cities

Ric-wiL Systems for central heating and process piping are engineered and insulated to specific project requirements for efficient distribution of steam, hot or refrigerated liquids and gases.



Hel-Cor Insulated Pipe Units... Single or Multiple Pipes

Prefabricated in 21 ft lengths with any specified combination of pipes and insulation. 16 gage helically-corrugated, hot-dip galvanized metal housing, protected with asphalt coating.



Hel-Cor Uniline—For Oil or Process Liquids

Similar to standard units except pipes are nested inside a laminated asbestos insulation liner—insulated from the exterior but not from each other. Designed for oil and process liquids.



Ric-wiL Cast Iron Insulated Pipe Units

Factory prefabricated 18 ft 6 in. lengths. Pipe and insulation housed in heavy-duty cast iron conduit. Insulation any type or thickness to meet job requirements.

Hel-Cor Underground Systems

Standard 21 ft prefabricated sections for efficient field installation. Single or multiple pipe Hel-Cor Units or Hel-Cor Uniline Insulated Pipe Units can be used underground or overhead.



Hel-Cor Overhead Systems

Prefabricated 21 ft pipe units for straight runs. Elbows, tees, anchor units and expansion loops finished at factory and delivered to job site with joint materials for simple assembly.

Cast Iron Underground Systems

For underground insulated piping systems where permanency and thoroughly tight joints are required. Prefabricated for easy field assembly, complete with accessories—expansion loops or joints, etc.



For full descriptive literature and technical information on Ric-wiL products and services, call or write the Ric-wiL office nearest you, or the Ric-wiL Company in Barberton, Ohio

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