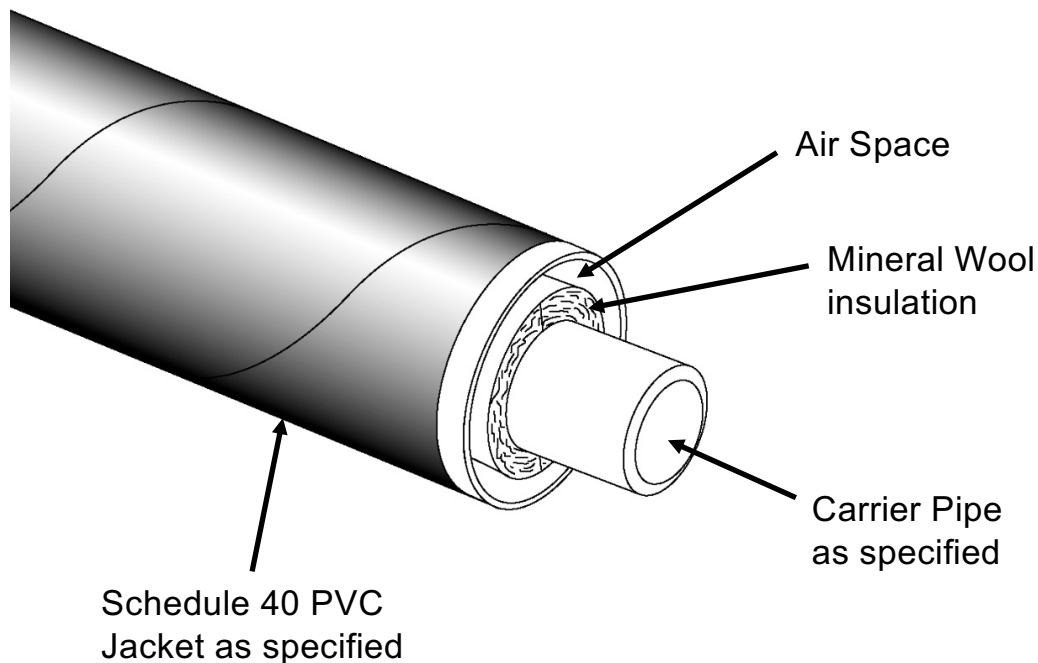


Rovanco PVC Containment with Insulation

For Above Ground Applications



Rovanco's Containment PVC Containment is designed for piping systems above or below ground. A High-quality, durable PVC jacket, provides an economical system.

Rovanco's Containment PVC System is provided in two ways;

1.) Spooled out, part numbered, cut-to-length pieces factory fabricated to field dimensions. All containment elbows, tees, and end seals are manufactured at Rovanco's plant.

2.) In many cases the Containment pipe can be supplied as a Quick Fit System with 20' or 40' lengths of pipe and field fabricated Quick Fit fittings, end seals, and accessories.

Both Containment Pipe Systems come complete with field joint kits the same thickness as the jacket to make it completely watertight. The right product for tough applications

To find out more about Rovanco's Containment PVC Quick Fit Containment system, you can visit our factory, phone us (815) 741-6700, fax us (815) 741-4229, visit our website at www.rovanco.com or e-mail us at marketing@rovanco.com.

SPECIFICATION DATA SHEET

PVC Containment with Insulation Piping Systems for Above Ground

Carrier Pipe Types:

PVC

Schedule 40/80 solvent weld.

Copper Type (K) or (L)

Hard Drawn Copper Tubing conforming to ASTM B-88.

Steel

A-53 Grade B ERW or seamless Steel in Schedule (40) or (80) or Stainless Steel.

High Density Polyethylene (HDPE)

SDR11 – SDR17 and other specialty plastics including, Pex, Polypropylene, and CPVC.

Fiberglass

Green Thread HP 16 bar filament wound fiberglass reinforced epoxy, bell and spigot, designed to withstand 230°F. ID of pipe shall contain a resin-rich liner. All 1" through 42 pipe to be in 20' random lengths. Pipe to be in conformance with ASTM D-2996.

Red Thread HP 16 pipe filament wound fiberglass reinforced epoxy, bell and spigot, designed to withstand 210°F. ID of pipe to be 20' random lengths. Pipe to be in conformance with ASTM D-2996.

Red Thread IIA (for fuels) – Pipe is manufactured by filament winding process using amine-cured epoxy thermosetting resin to impregnate strands of continuous glass filaments with a resin-rich interior surface. The operating pressure of the pipe is up to 250 psig (17.2 bar) with continuous operating temperature to 150°F (66°C). Red Thread IIA is Listed with UL Standard 971-2004 for non-metallic underground piping for motor vehicle, high blend, concentrated and aviation and marine fuels. ID of pipe to be 20' random lengths. Pipe to be in conformance with ASTM D-2996.

Other carrier pipe types are available upon request.

Insulation:

Shall be sectional Mineral Wool covered with a vinyl coated scrim with a k factor of 0.31 at 200 Deg F. Sectional insulation shall be banded on the pipe with stainless steel banding on 18" centers. Insulation thickness shall be as specified.

Inner Pipe Supports:

All pipe shall be aligned and supported within the outer casing with nonmetallic pipe supports designed to allow free air and fluid movement within the containment pipe. The supports will be designed and spaced to carry the weight of the carrier pipe full of fluid with a 50% safety factor while allowing the carrier pipe to expand and contract.

Outer Containment Casing:

The outer casing shall be Schedule 40 PVC conforming to ASTM 1785.

Coupling Joints:

PVC gasket repair couplings, the same thickness as the containment case shall be field installed at the joint locations.

Fittings:

Fittings shall be factory pre-fabricated and the containment pipe fittings will be made of PVC, the same thickness as the containment casing for the factory fabricated spooled out systems, or with factory supplied field assembled Quick Fit fittings and couplings.

End Seal:

Terminal ends of system shall be equipped with end seals consisting of steel bulkhead plate welded to the carrier pipe sealed to the PVC containment pipe making a watertight seal.

Casing, Fittings, and End Seal Testing and Certification:

Testing and certification procedures shall demonstrate that the casing, fittings, and end seals are capable of passing a pressure test certified by an independent testing agency.

Installation:

The installation shall be done in accordance with plans and specifications and manufacturer's installation drawings and instructions. The containment pipe manufacturer can provide a field service technician on-site to train the contractor and his personnel in all phases of installation if no contractor or field fabricated systems will be allowed.

Leak Detection:

For optional Leak Detection for this system, please contact Rovanco.

Approved Vendors:

PVC with Insulation Containment System manufactured by Rovanco, Joliet, Illinois, 815-741-6700, or approved, ISO Certified, equal. Any alternative supplier must submit their technical data to the engineer ten days prior to bid date to be approved in writing as an equal.

cc #04102024

Copyright 2024 – Rovanco's products are covered by various U.S. patents. Rovanco & Insul-8 are federally registered trademarks.

Contact Rovanco® for the name of your local Representative

20535 S.E. Frontage Road • Joliet, Illinois 60431 • (815) 741-6700

Website: www.rovanco.com • E-mail: marketing@rovanco.com

This is a generic product datasheet and is not intended for submittal use.