

## Pipe Insulation Types

### Medium Temperature Piping

- The hinged sections of Fiberglas pipe Insulation are opened, placed over the pipe, carefully aligned, and sealed or jacketed as required by the form of the insulation and the application.
- Fiberglas SSL II Pipe Insulation is shipped with the jacket and the longitudinal lap closed, and the two adhesives separated by a release strip. The insulation is opened by pulling the release strip from between the two adhesive strips. The insulation is placed on the pipe, carefully aligned, and the two adhesives rubbed firmly together to close and seal. The two part butt strip seal completes the positive closure. Application may be at ambient temperatures from 25 F (-4 C) to 110 F (43 C).
- Fiberglas "No-Wrap" Pipe Insulation is designed for field-jacketing with pipe covering secured by wires or bands, vapor sealed where required.



### Low temperature Piping

- VaporWick pipe insulation is for piping systems that operate at below ambient temperatures, which present special considerations due to the possibility of water vapor migration to the cold pipe surface. VaporWick incorporates a patented concept that utilizes a unique wicking material to remove condensed water from the system, keeping the insulation dry. Water vapor that enters the system and condenses on the cold pipe surface is removed to the outer surface by capillary action, where it then evaporates to the ambient air.



### Fiberglas Pipe Insulation

- Moisture resistance assures stable high R-value of 5 per inch
- Fiberglas Pipe Insulations are molded of heavy density resin bonded inorganic glass fibers
- Insulation for hot, cold, concealed and exposed piping operating at temperatures from 0° F (-18° C to 850° F (454° C) in commercial buildings, industrial facilities and process or power plants
- SSL II Positive Closure System
- Jacket and lap shipped adhered
- Excellent thermal performance
- Meets Model Code fire ratings



### FlexWrap Pipe Insulation

- Flexible product that is easily wrapped around pipes, tanks, ducts, or vessels, while providing good rigidity and abuse resistance
- Cost effective substitute of pre-formed pipe insulation
- Quick, easy installation and low thermal conductivity.



### PipeShield Fiberglass Pipe Insulation

- Pipe insulation with a factory applied white polymer facing.
- Ideal for applications requiring a durable and flexible vapor retarder and an attractive finish.
- Polymer facing is significantly stronger and more puncture resistant than standard ASJ facing.



### VaporWick Pipe Insulation

- Innovative new insulation product designed specifically for below-ambient temperature applications in severe hot/humid operating environments.
- Keeps insulation dry by using a specially designed wicking material that absorbs condensed water from the pipe surface and wicks it to the outside.
- Ideal for dual temperature installations because it is rated for operating temperatures which range from 32 degrees F to 220 degrees F.
- Meets model code fire requirements with a flame spread rating of 25 or less and a smoke development rating of 50 or less. This means the product will be granted immediate building code approval for use in air plenums and other critical locations.
- Excellent thermal value which contributes to a lower operating costs at a favorable installed cost/performance ratio.
- Can be installed directly over Wet Piping so systems don't need to be shut down during the product's installation.
- Has a self-sealing Lap Seal with no need for staples or mastic.
- Meets requirements for Mold and Fungi Resistance by providing no sustenance for mold to propagate.



### Reference:

<http://www.owenscorning.com/comminsul/applications.asp?application=227>