



FIBERGLAS™ PIPE INSULATION INSTALLATION INSTRUCTIONS

This guide outlines essential steps for installing Fiberglas™ Pipe Insulation with ASJ Max facing, including temperature guidelines, sealing methods, and handling precautions. It covers both standard and no-wrap applications, heat-up procedures for high-temperature systems, and requirements for maintaining vapor barriers. Additional resources are provided for chilled and hot systems, sizing, and technical support.

Pipe Insulation Installation with ASJ Max facing

1. Ambient temperatures during installation shall be from 25°F (-4°C) to 110°F (43°C).
2. To open the hinged insulation section, pull the lap with the release strip of SSL tape from the jacket.
3. Open the hinged section and place the insulation over the pipe, taking care not to get dirt, dust, or moisture on the overlap area. While preparing to close the insulation, take care not to allow the adhesive on the jacket to contact anything until the insulation is properly lined up and closed over the pipe.
4. Pull the release strip from the jacket lap. Start by pulling the lap down at the middle until the adhesive touches the adhesive strip on the jacket. Press together and rub firmly with nylon sealing tool or squeegee from the middle of the section toward the end until the lap is securely adhered to the jacket.
5. Apply the matching butt strip tape centered over the adjoining pipe section while avoiding the use of excessive force, which can cause wrinkling of the jacket. Rub with firm pressure to complete the positive closure.
6. If the pipe's operating temperature exceeds 100°F (37°C), it is recommended to apply mastic over exposed fiber according to the mastic manufacturer's installation guidelines. For additional installation details, refer to Owens Corning publication 10025147, titled "Insulating Hot Piping Systems with Fiberglass Pipe Insulation."
7. If the pipe's operating temperature is below 100°F (37°C), the insulation must be applied in such a way to provide a continuous vapor seal to prevent potential condensation. The proper use of vapor-retarding mastics and pressure-sensitive tapes is required to assure vapor seal is continuous. See Owens Corning publication 10025149, titled "Insulating Chilled Water and Cold-Water Piping Systems" for additional installation details.
8. Apply systems identification labels by pressure-sensitive labels or by stencil with spray paint.

No-Wrap Pipe Insulation Installation

1. Open the hinged section and place over the pipe, carefully align, and secure with wires or bands.
2. Jacket and vapor seal as required by the application.

Maximum Temperature and Heat-Up Schedule

The Owens Corning® Pipe Insulation products of Flex Core and Rigid Core meet the requirements of ASTM C547 Type I, Grade A and can be installed directly on a hot pipe operating up to 850°F (454°C) with no special heat-up schedule with insulation thickness less than 6 inches.

Although the Owens Corning Fiberglas™ Pipe Insulation meets the physical properties of ASTM C547 Type I, which states a maximum use temperature of 850°F (454°C), the insulation can be used in applications up to 1,000°F (538°C) while meeting the physical properties of ASTM C547 Type I. For applications between 850°F (454°C) and 1,000°F (538°C) and thicknesses less than 6 inches, follow the heat-up schedule noted below.

1. If pipe is operating hot, the pipe insulation is placed on the pre-heated pipe at not more than 850°F (454°C) maximum. After 6 hours, the pipe can then be heated up to 1,000°F (538°C).
2. If pipe is being heated from ambient temperature, increase the system temperature incrementally to the operating temperature over a 24-hour period.

For insulation exceeding the 6-inch (152 mm) thickness, the temperature must be increased from 500°F (260°C) to the maximum temperature of 850°F (454°C) at a rate not exceeding 100°F (56°C) per hour.

Additional Installation Information

1. The ASJ Max facing is not intended for long-term outdoor applications and must have additional protective jacketing.
2. Insulation thickness must be adequate to ensure the ASJ Max facing is not exposed to temperatures exceeding 150°F (66°C).
3. If painting is required, follow instructions provided by Owens Corning.
4. Do not pick up, carry, or handle the pipe sections by the jacket lap. This action may cause the ASJ Max jacket to pull loose from the adhesive holding the jacket to the pipe section, causing a more difficult installation and a potential poor appearance due to jacket misalignment and/or wrinkles.



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ADDITIONAL RESOURCES

Pipe Insulation Installation on Chilled Systems

For chilled systems operating below 60°F (15.6°C), install per the Owens Corning publication "Insulating Chilled-Water and Cold-Water Piping Systems with Fiberglass Pipe Insulation Installation Instructions," Publication No. 10025149.

Pipe Insulation Installation on Hot Piping Systems

For hot piping systems operating above 61°F (16.1°C), install per the Owens Corning publication "Insulating Hot Piping Systems with Fiberglass Pipe Insulation Installation Instructions," Publication No. 10025147.

Pipe Sizing Information

Refer to the "Fiberglas™ Pipe Insulation Sizing Manual," Publication No. 10018078, for proper sizing and information related to the PVC and support saddle sizing.

GETTECH Technical Assistance

For any additional needs, contact us at 800-438-7465 or gettech@owenscorning.com.