



INNOVATIONS FOR LIVING®

# PIPE AND EQUIPMENT INSULATION SOLUTIONS



YOUR  
TRUSTED  
PARTNER  
FOR ALL  
YOUR  
PIPE AND  
EQUIPMENT  
INSULATION  
NEEDS



# OUR PIPE SOLUTIONS



## OVERVIEW

Backed by 65 years experience, Owens Corning™ Pipe and Equipment Insulation Products combine productivity and energy-saving performance for commercial and industrial systems. Our products deliver energy saving thermal performance and low thermal conductivity to lower building operating costs while providing precise control of processing temperatures. This helps maintain surface temperatures to promote a safe, comfortable working environment.

The information in this brochure will provide an overview of the Owens Corning pipe and equipment insulation family of products that are designed to meet your business needs.

For additional information call

1-800-GET-PINK™ or visit

[www.owenscorningcommercial.com](http://www.owenscorningcommercial.com).

## EVOLUTION™

### Description:

**This is an industry first – new Pipe Insulation with Evolution™ Paper-Free ASJ – and only Owens Corning has it.**

FIBERGLAS™ Pipe Insulation with Evolution™ Paper-Free ASJ is jacketed with a durable, paper free all-service vapor retarder, molded of heavy density resin bonded inorganic glass fibers. The one-piece, 36" long, hinged sections are opened, placed over the pipe, closed and secured.

The SSL II® double adhesive closure system provides positive mechanical and vapor sealing of the longitudinal jacket seam. All Evolution™ Paper-Free ASJ sizes come with the SSL II® closure system.

### Use:

Used for insulation of hot, cold, concealed and exposed piping in commercial buildings, industrial facilities and process or power plants.

Evolution can be used in any application where standard ASJ is normally used because it meets all of the specification requirements of standard ASJ.



Before Evolution™



After Evolution™

### Product Features:

- Does not support mold growth – It is moisture resistant and helps improve indoor air quality and has earned a coveted GREENGUARD® Microbial Resistance Listing.
- It's more than 300% tougher\* than standard ASJ – It resists job site abuse and maintains a finished appearance to reduce callbacks
- Professional appearance – The facing is cleanable and can be painted for color-coding and has an appearance that is compatible with standard ASJ
- Promotes job site productivity – All sizes have the SSL II® Positive Closure System, which eliminates the need to staple
- Meets Model Code Fire Requirements – UL Classified for Surface Burning Characteristics. Flame spread rating of 25 or less, and smoke development rating of 50 or less means that it can be granted immediate building code approval for use in air plenums and other critical locations

\*Based on puncture resistance, burst strength and tensile strength testing.





## VAPORWICK®

### Description:

The heart of the Owens Corning™ VaporWick® Pipe Insulation system is a wick material that transports condensed water to the outside of the system for evaporation to the atmosphere. The wick keeps the fiberglass insulation dry, preventing dripping and allowing the insulation to perform effectively over the life of the project.

### Use:

Owens Corning™ VaporWick® Pipe Insulation is an innovative insulation product designed specifically for below-ambient temperature applications in severe hot/humid operating environments.

### Product Features:

- Keeps Insulation Dry – A specially designed wicking material absorbs condensed water from the pipe surface and wicks it to the outside, keeping the insulation dry and minimizing loss in insulating capability
- Dual Temperature Applications – Rated for operating temperatures which range from 32°F to 220°F, making it ideal for dual temperature installations
- Meets Model Code Fire Requirements – UL Classified for Surface Burning Characteristics. Flame spread rating of 25 or less, and smoke development rating of 50 or less means that it can be granted immediate building code approval for use in air plenums and other critical locations
- Excellent Thermal Value – Resistance to heat transfer contributes to lower operating costs of heating and/or cooling equipment
- Self-drying feature allows product to be installed on wet pipes – systems do not need to be shut down during installation of the VaporWick® System
- Self-sealing Lap Seal - Positive closure is fast, neat, and foolproof. No need for staples or mastic
- Meets Requirements for Mold and Fungi Resistance – VaporWick® Pipe Insulation provides no sustenance for mold to propagate and meets the standard ASTM test for fungi resistance



## ASJ

### Description:

FIBERGLAS SSL II® is a jacketed, pipe insulation molded of heavy density resin bonded inorganic glass fibers. The one-piece, 36" (914mm) long, hinged sections are opened, placed over the pipe, closed and secured by the smooth, reinforced, wrinkle resistant, all-service vapor retarder jacket (ASJ). This product uses the SSL II® closure system and is available in the most popular pipe sizes. For the larger ASJ sizes, FIBERGLAS™ Pipe Insulation is furnished with a SSL®I single adhesive lap seal. The system includes pressure sensitive butt strip seals that complete the positive closure system.

### Use:

Used for insulation of hot, cold, concealed and exposed piping in commercial buildings, industrial facilities and process or power plants.

### Product Features

- SSL II® Positive Closure System – The Positive closure is fast, neat and there is no need for staples which promotes job site productivity
- Jacket and Lap Shipped Adhered Short pieces of insulation can be cut without jacket loss and the section will not come apart in handling. There are no "dog-ears" in or out of the carton. Dust and moisture cannot reach the lap seal. Butt strips come in sealed bags inside the carton so they can stay clean until the moment of use
- Excellent Thermal Performance – FIBERGLAS™ Pipe Insulation's resistance to heat transfer contributes to
- lower operating costs of heating and/or cooling equipment
- Meets Model Code Fire Ratings – The flame spread rating of 25 or less and smoke developed rating of 50 or less means that FIBERGLAS™ Pipe Insulation can be granted immediate building code approval





## NO-WRAP

### Description:

FIBERGLAS™ Pipe Insulation is also available without a jacket. “No Wrap” pipe insulation is designed for field installation with jacketing appropriate to the vapor control, damage or corrosion resistance requirements of the application.

### Use:

Used for insulation of hot, cold, concealed and exposed piping operating at temperatures to 850°F in commercial buildings, industrial facilities or power plants.

### Product Features

- Excellent Thermal Performance – FIBERGLAS™ Pipe Insulation’s low thermal conductivity contributes to lower operating costs of heating and cooling equipment
- Meets Model Code Fire Ratings – The flame spread rating of 25 or less and smoke developed rating of 50 or less means that FIBERGLAS™ Pipe Insulation can be granted

## SOFTR® DUCT WRAP FRK

### Description:

SOFTR® Duct Wrap FRK is a blanket of glass fiber insulation factory-laminated to FRK vapor retarder facing. A 2” stapling and taping flange is provided on one edge.

### Use:

Used for external insulation of commercial and residential heating, air conditioning and dual temperature ducts operating at temperatures from 40° F to 250° F. When applied in accordance with installation instructions, it will provide the “installed R-value” as published for the product and printed on the facing, assuring specified in-place thermal performance and condensation control.

### Product Features

- Assured Thermal Performance – When installed in accordance with instructions so that compression is controlled, SOFTR® Duct Wrap FRK provides specified thermal performance. Operating costs are controlled due to reduction of heat loss through duct walls
- Condensation Control – Helps control moisture condensation on the ductwork as well as on the outer vapor retarder jacket. This helps maintain insulation efficiency and reduces the likelihood of stained ceilings due to moisture damage
- Flexible – It is easy to install
- Certified – Contains at least 50% recycled content, GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children and SchoolsSM Certified





## FIBERGLAS™ FLEX WRAP®



### Description:

Fiberglas™ FlexWrap® Pipe and Tank Wrap is a flexible insulation product made from fiberglass blanket bonded together with a thermosetting resin. The fibers are oriented to provide good compressive strength while providing flexibility during installation. FlexWrap® Pipe and

Tank Wrap is suitable for operating temperatures up to 850° F and is available with either PSK (Poly-Scrim-Kraft) or FRK (Foil-Reinforced Kraft) facings.

### Use:

Used to insulate either hot or cold surfaces of pipes, tanks, storage vessels, ducts and similar round or irregular shaped surfaces. All joints and facing penetrations must be sealed with appropriate pressure sensitive tape or vapor retarder mastic when the application requires a vapor seal. The product is intended for indoor use and should be weather protected for use outdoors.

### Product Features

- Quick, Easy Installation – FlexWrap® Pipe and Tank Wrap installs easily. The continuous blanket of material easily wraps tanks, pipes, and irregular shaped objects without the efficiency losses related to strip delamination of fabricated and segmented wrap
- Low Thermal Conductivity – Compared to segmented products means less thickness is required for equivalent heat flow
- A cost Effective Substitute of Pre-formed Pipe
- Insulation – FlexWrap® Pipe and Tank Wrap is an effective alternative to larger sized, pre-formed pipe insulation. FlexWrap® Pipe and Tank Wrap fits all pipes and equipment of 10" NPS and larger which reduces inventory requirement caused by multiple diameter requirements

## FIBERGLAS™ PIPE AND TANK INSULATION

### Description:

Fiberglas® Pipe and Tank Insulation is made of semi-rigid fibrous glass board material, factory-jacketed with a laminated kraft-aluminum foil ASJ facing. The insulation is adhered with the end grain perpendicular to the jacket.

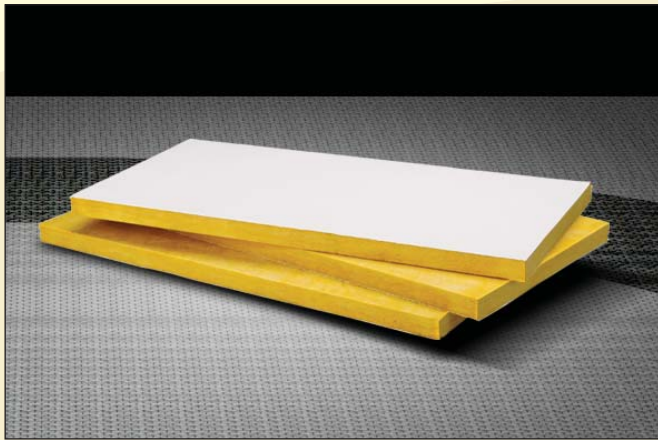


### Use:

Applied to pipes, tanks and vessels 10" NPS and larger. It can also be used to insulate pipe, flanges, valves, groups of parallel pipes, and pipes with heat tracing lines. It may be applied over existing insulation to increase thickness and satisfy demands for increased energy conservation in already-operating systems.

### Product Features

- Flexible – It is easily wrapped around pipes, tanks, or vessels, while providing good rigidity and abuse resistance
- Instant Availability – It fits all pipes, tanks and vessels 10" NPS and larger
- Strong – High compression strength
- Professional appearance – ASJ vapor retarder jacket matches the jacket of Fiberglas pipe insulation for uniform appearance



## FIBERGLAS™ 700 SERIES

### Description:

These insulations are made of inorganic glass fibers with a thermosetting resin binder and formed into flexible, semi-rigid or rigid rectangular boards of varying densities. They are available in plain and faced form in multiple densities and thicknesses.

### Use:

**701, 711** – Lightweight, resilient, flexible insulation in sheet form, used on vessels with irregular surfaces where an exterior finish will be supported mechanically.

**703, 704** – Semi-rigid boards for use on equipment vessels and air conditioning duct work.

**705** – A high strength, rigid board for use on hot and cold equipment, heating and air conditioning duct work where high abuse resistance and good appearance are required.

**707** – For use in acoustical wall panels and specialized ceiling applications.

### Product Features:

- Professional appearance – Provides a neat, finished appearance in mechanical applications
- Thermal efficiency – FIBERGLAS™ 700 Series insulations reduce heat transfer between the equipment and the environment, lowering operating costs of heating and cooling systems
- Certified – Contains at least 55% recycled content
- Quiet – Excellent acoustical properties
- Equipment operating temperature up to 450° F
- The boards come unfaced or with ASJ or FRK facing

## FIBERGLAS™ TIW TYPES I & II

### Description:

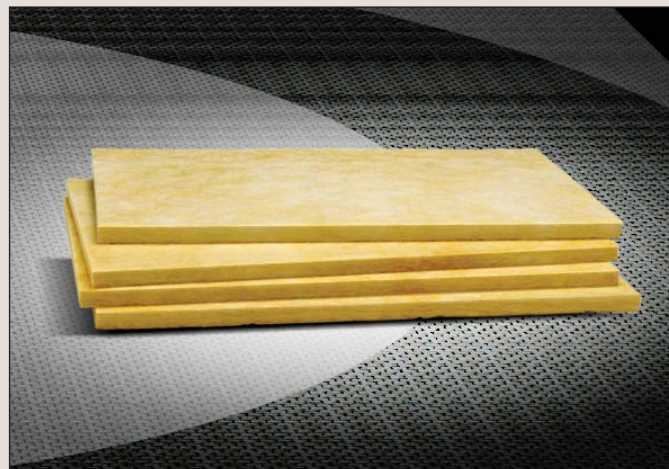
Fiberglas™ TIW Types I and II Insulations are off-white to light tan, noncombustible wool with resilient, inorganic glass fibers bonded with a thermosetting resin. TIW Type I Insulation is available in rolls and TIW Type II Insulation comes in batts.

### Use:

Type I Insulation is used in applications up to 1000° F at maximum recommended thickness requiring a light weight insulation such as that used in panel systems, flexible wrap, industrial ovens, or surfaces having irregularities. Its low compressive strength does not make it suitable for use as a base wool for metal mesh blankets. Type II Insulation may be used in panel systems where more compressive resistance than Type I is needed. It is especially suited for use in metal mesh blankets and for use on boilers, vessels and other equipment operating at temperatures up to 1,000° F at maximum recommended thickness.

### Product Features:

- Excellent Thermal Performance – Resistance to heat transfer contributes to overall lower operating costs of high temperature equipment
- Lightweight – Fiberglas™ TIW Types I and II insulation is easy to handle and install, even when large size panels are used
- Quick, Easy Installation – Large batts or blankets cover areas quickly
- Non-corroding Fiberglas™ TIW Types I and II Insulation can be used in direct contact with steel, copper and aluminum without corrosive effects





## **FIBERGLAS™ INSUL-QUICK®**

### **Description:**

Fiberglas™ Insul-Quick® Insulation is a lightweight insulation composed of glass fibers bonded together in a semi-rigid, board-like form with a special high temperature binder.

### **Use:**

Insul-Quick® Insulation is used in applications where an outside facing of metal or metal mesh with a finishing cement is required.

### **Product Features:**

- Equipment operating temperature up to 850° F.
- Excellent Thermal Performance – Resistance to heat transfer contributes to overall lower operating costs of heating and/or cooling equipment
- Lightweight – It is easy to handle and install even when large size boards are used
- No crumbling, breaking or slumping – It cuts cleanly and resists tearing which contributes to excellent long-term thermal performance
- Large Size Availability – Boards in sizes to 4' x 8' help reduce the number of joints, allowing for quick installation

## **FIBERGLAS™ SCR INSULATION BOARD**

### **Description:**

Fiberglas™ SCR Insulation Board is a lightweight insulation board composed of resilient, inorganic glass fibers bonded with a thermosetting resin.

### **Use:**

SCR Board is designed specifically for use on selective catalytic reduction units (SCR) in power plants.

### **Product Features:**

- Equipment operating temperatures up to 1,000°F at thicknesses up to eight inches
- Lightweight and Low Dust – It is easy to handle and install. SCR board is free of silt and lighter than mineral wools
- Quick, Easy Installation – Boards in sizes up to 4' x 8' help reduce the number of joints, speeding installation
- Excellent Thermal Performance – SCR Insulation Board's thermal efficiency contributes to reduced heat loss



## BALANCING ECONOMIC GROWTH, ENVIRONMENTAL STEWARDSHIP AND SOCIAL PROGRESS

Sustainability at Owens Corning is a core business strategy. Our company embraces the definition of sustainability as meeting the needs of the present without compromising the future.

Our approach to sustainability balances economic growth, environmental stewardship and social progress. We bring our philosophy to life in three ways:

- Greening our operations – reducing the impact our manufacturing operations have on the world
- Greening of our products – addressing the environmental footprint of our products throughout their life cycles
- Accelerating Energy Efficiency Improvements in the Built Environment – working to increase the penetration of energy efficiency solutions around the world

We believe this strategy energizes our people and creates growth opportunities for our customers.

**For more about sustainability  
at Owens Corning, visit  
<http://sustainability.owenscorning.com>**



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**OWENS CORNING INSULATING SYSTEMS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO, USA 43659

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**[www.owenscorning.com](http://www.owenscorning.com)**

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