



COMMERCIAL PRODUCT GUIDE

While our magazine normally discusses projects by using general product terms, we wanted to create a series that would allow readers to learn more about individual products. To create these product guides, we have turned to insulation manufacturers and distributors who know the products best.

This month, we asked companies to submit their most popular, commonly requested products for commercial use.* Next month, we will look at insulation products for the industrial market. We hope these guides make your research easier and help you on your next project.

If you have missed one of our recent reader guides, they are posted online at www.insulation.org/io/columns.

**Disclaimer: NIA is an insulation trade association and does not test or endorse products or companies. The information included in this section is based on submissions from NIA member companies and NIA cannot verify their accuracy. This section includes both free listings, and enhanced listings paid for by the manufacturers. These listings are provided for educational purposes. Readers should always verify that any products they are considering meet the unique needs of their systems and that the claims stated by the manufacturers are accurate.*

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Product Name: ArmaFlex®

Type of Insulation Material: Elastomeric foam

Recommended Application: HVAC, plumbing, and refrigeration

Description: ArmaFlex®, the original closed-cell foam insulation, is the durable, long-lasting insulation solution for high-performance HVAC, plumbing, and refrigeration systems.

Company Name: Armacell

Product Name: Fasson® O808HP Mechanical Insulation Tape

Type of Insulation Material: Pressure-sensitive tape

Recommended Application: HVAC and mechanical insulation

Description: Fasson® O808HP is designed for taping joints and seams against moisture, vapor foil jacketing facing, and FSK blankets. Its foil facestock is married to the popular COLD TOUGH™ acrylic adhesive.

Company Name: Avery Dennison Performance Tapes

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NEW PRODUCTS!



Plastic Glue Dispensers



Ladder Carrier



Mini Pan Brake



Malco® Mini Offset Aviation Snips



Digaroo®



Hardened Replacement Door



Gloves



Buckaroos® Tape Dispenser



Pipe Calipers



Insulation Depth Gauge

Product Name: Roundup Plus™ Saddles

Description: The Roundup Plus™ Saddle is the premier G90 galvanized protection shield for insulated piping. A unique strip of self-sealing adhesive helps secure its position against the insulation jacket. Additionally, rounded corners limit potential for damage to the vapor barrier and added safety for the installer. Roundup Plus™ Saddles can be found in some of the highest profile hospitals, airports, and institutions in the world.

Company Name: Buckaroos, Inc.

Product Name: PVC Clean™ Saddles

Description: In partnership with Proto Corporation, the leading supplier of PVC jacketing products, Buckaroos recently introduced the PVC Clean™ Saddles that come in 14 different colors. In addition to the aesthetic options, these saddles have been in high demand for clean room environments in lieu of pricing stainless steel saddles.

Company Name: Buckaroos, Inc.

NIA SAFETY HANDBOOKS

Safety Handbook for Distributors and Fabricators

This pocket-sized handbook, produced by NIA, offers practical tips for maintaining a safe environment for distributor and fabricator workers. This handbook contains both English and Spanish versions of the text. Topics include general safety rules, compressed gases, hand and power tools, lockout/tagout, tar pot safety, and much more. An employee acknowledgement form makes it appropriate for use in a company safety program.

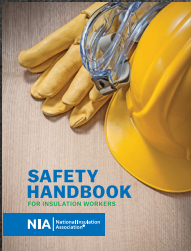
Members: 1–25 copies, \$4.00 each; 26+ copies, \$3.00 each
Non-members: 1–25 copies, \$8.00 each; 26+ copies, \$6.00 each



Safety Handbook for Insulation Workers

Newly updated, this pocket-sized handbook, produced by NIA, offers practical tips for workers looking to maintain a safe working environment. The handbook contains both English and Spanish versions of the text. New sections include heat-illness prevention, fall protection, and distracted driving. An employee acknowledgement form makes it appropriate for use in a company safety program.

Members: 1–25 copies, \$4.00 each; 26+ copies, \$3.00 each
Non-members: 1–25 copies, \$8.00 each; 26+ copies, \$6.00 each



TO REVIEW ALL OF NIA'S RESOURCES, VISIT OUR ONLINE BOOKSTORE AT www.insulation.org/products

NIA National Insulation Association®

Product Name: ToughGard® R Duct Liner

Type of Insulation Material: Fiber glass

Recommended Application: HVAC duct liner applications

Description: ToughGard® R rotary duct liner absorbs unwanted crosstalk and equipment noises while helping to lower HVAC operating costs by reducing heat gain and loss in duct systems.

Company Name: CertainTeed Insulation

Product Name: Insulated Pipe Saddle

Type of Insulation Material: 25 lb. closed cell foam and 2 lb. closed cell foam

Recommended Application: HVAC, plumbing, and/or refrigeration

Description: The Insulated Pipe Saddles are engineered with a compressive strength of 1200 psi to support and insulate pipe in horizontal and vertical applications, while creating integrated connection points for additional insulation.

Company Name: Dragon Jacket Insulation

Product Name: Extol of Ohio Pre-Fabricated Head Insulation

Type of Insulation Materials: Cellular glass, polyisocyanurate, extruded polystyrene

Recommended Application: Refrigeration, chillers

Description: Precision engineered head insulation segments precisely fit the exact curvature of the vessel ends. 2:1 elliptical ASME, flanged and dished, hemispherical, and conical vessel heads with matching jacket/cladding systems available.

Company Name: Extol of Ohio, Inc.

Product Name: Estimating and Takeoff Software

FASTEST, INC.
Mechanical Estimating Software

Description: FastEST, Inc. has estimating and takeoff software available on their website. They have FastPIPE®, plumbing, and mechanical estimating software for commercial and industrial contractors; FastDUCT®, a commercial HVAC estimate software that simplifies bidding sheet metal and industrial ductwork jobs; and FastWRAP™, a mechanical insulation estimating software for commercial contractors.

Company Name: FastEST, Inc.

Website: <https://fastest-inc.com>



FastEST, Inc.
<https://fastest-inc.com>

FastWRAP™ mechanical insulation estimating software is an affordable, easy-to-use program for estimating all types of plumbing, mechanical, HVAC, and industrial insulation. FastWRAP™ comes with a full material and labor database, and includes our award-winning On-Screen Digitizer, for fast, accurate takeoffs done directly on imported digital plans.



H.B. Fuller
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Keep humidity and low operating temperatures from wreaking havoc on your insulation system.



Product Name: Absorption Plus® Acoustic Panels

Type of Insulation Material: Custom fabricated acoustical panels

Recommended Application: Sound absorption in noisy spaces

Description: Absorption Plus® Panels are supplied with a variety of textile finishes for commercial space, mechanical rooms, and manufacturing environments. Available for direct wall, ceiling application, suspended baffles, etc., to absorb unwanted noise.

Company Name: FBM-SPI

Product Name: Childers® CP-10 / CP-11 Weather Barrier Coatings

Type of Insulation Material: Water-based weather barrier coating

Recommended Application: Interior and/or exterior protective coating for most types of thermal insulation

Description: Childers® VI-CRYL® CP-10 / CP-11 weather barrier coating has been trusted for decades by engineers and insulation contractors to provide mechanical protection and weatherproofing of all types of thermal insulation.

Company Name: H.B. Fuller Construction Products Inc.

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- Multi-use product - for use on cold and dual temperature commercial applications*
- Low permeance - for use on a variety of insulation types

* (not involving steam applications)



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Product Name: TRYMER® 25-50 PIR

Type of Insulation Material: Polyisocyanurate

Recommended Application: Chilled water application

Description: TRYMER® 25-50 PIR is ideal for use as pipe insulation in commercial buildings. It is the only PIR made in the United States that meets ASTM E84 \leq 25/50 flame/smoke for plenums.

Company Name: ITW Insulation Systems

Product Name: XSPECT® ISOfoam APF Board

Type of Insulation Material: Polyisocyanurate foam

Recommended Application: Highly versatile insulation that can be used in a variety of mechanical and OEM applications, including rooftop ducts, appliances, HVAC equipment, refrigerated transportation, storage vessels, and railcars.

Description: XSPECT® ISOfoam APF Board is a closed-cell polyisocyanurate foam core bonded to a foil facer on both sides and offers one of the highest R-values of any rigid insulation available.

Company Name: Johns Manville

Product Name: Earthwool 1000° Pipe Insulation



Company Name: Knauf Insulation

Type of Insulation Material: Fiber glass

Recommended Application: Earthwool 1000°

Pipe Insulation is used to insulate iron and copper piping in industrial applications and in commercial and institutional buildings.

Description: Knauf Insulation Earthwool 1000° pipe insulation is a molded, one-piece insulation made from inorganic fiber glass bonded with ECOSE Technology. It is produced in 3' lengths with or without a factory-applied jacket. ASJ+ is an all-service jacket composed of aluminum foil, reinforced with a glass scrim bonded to a kraft paper interleaving with an outer film layer, leaving no paper exposed. The jacket is white, and the longitudinal lap of the jacket has a self-sealing adhesive. The SSL + Advanced Closure System creates a strong and lasting bond.

ECOSE Technology is a revolutionary binder chemistry that enhances the sustainability of our products. The "binder" is the bond that holds our fiber glass product together and gives the product its shape and brown color. ECOSE Technology is a plant-based, sustainable chemistry that replaces the phenol/formaldehyde (PF) binder traditionally used in fiber glass products. Products using ECOSE Technology are formaldehyde-free and have reduced global warming potential.

- Offers excellent resistance to heat loss or gain, which saves energy and lowers operating costs.
- ASJ+ faced pipe insulation has a self-sealing lap, which eliminates the need for staples, additional material, and tools.



"Knauf pipe insulation is very easy to work with. It is much easier to carry around the project because it is lighter weight, requiring less labor for staging."

—JOHN LANDRUM, BRACE INTEGRATED SERVICES

- Fast, easy installation reduces labor costs.
- Installed properly, the foil vapor retarder and pressure-sensitive lap assure a positive vapor seal.
- Easy identification at job site simplifies restocking.
- Professional finished appearance—dimple and wrinkle resistant.
- Cleanable with a wet cloth and soapy water.
- Moisture resistant to intermittent, short duration liquid water exposure, such as precipitation during construction phase.

Temperature Range and Physical Property:

Earthwool 1000° Pipe Insulation is suitable for hot, cold, concealed, and exposed piping systems operating at temperatures from 0°F–1000°F (-18°C to 538°C).

Website: www.knaufinsulation.us/en

Product Name: SureShotII Pin Welding System

Type of Insulation Material: Used on duct board and many types of insulation flatwork.

Recommended Application: HVAC duct and insulated metals

Description: Portable, ultra-light, pin welding system. Dual power: 110 volt or 220 volt. Welds duct pins, insulation nails, and more. For use on galvanized steel, stainless, and aluminum. Three-year warranty included.

Company Name: MIDWEST Fasteners, Inc.

Product Name: NOSWEAT Valve Wraps



Type of Insulation Material: TyChem QC (Tyvek) and fiber glass

Recommended Application: Ball valves, strainers, circuit setters, balancing valves, flow meters, or anywhere a removable cover is needed

Description: I started my insulation career in 1973 and all I was ever told was, "this is the way we do it." Well, I'm not cut from that mold so I tried to do everything different. NOSWEAT Valve Wraps aren't cut from a mold either, they're different. Each wrap is handmade and personally inspected to ensure quality. NOSWEAT Valve Wraps are made for indoor, commercial use on hot and cold pipes. Saves energy on hot and eliminates condensation on cold. The NOSWEAT Valve Wrap's soft, flexible construction allows it to be "fished" between 2 tight pieces of pipe insulation to completely insulate any valve, handle and all.

The handle of any other extension is where the condensation starts. The NOSWEAT Valve Wrap saves labor by almost installing itself. No more "oversizing," then applying caulk or mastic to seal the nonremovable cover, only to have them cut off and insulated again. Every mechanical insulator has had this happen. The NOSWEAT Valve Wrap works. When installed correctly with the proper inserts, the NOSWEAT Valve Wrap provides a neat, clean, bright white finished product that can be removed for maintenance, then reinstalled with no damage to the insert or outer jacket. Just ask anyone who has used a NOSWEAT Valve Wrap about the ease of installation or the versatility of our custom NOSWEAT products. Our many repeat customers are a testament to our great products.

Company Name: NOSWEAT Valve Wraps, LLC

Website: www.valvewraps.com

Side View

Top View

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Width: 13.7" (347mm)

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Product Name: FOAMGLAS® insulation

Type of Insulation Material: Cellular glass

Recommended Application: Chilled water, district energy systems

Description: FOAMGLAS® insulation is a high-performance, long-lasting solution for chilled water and district energy systems. Impermeable to water and water vapor. Provides constant thermal efficiency throughout the life of the system, greatly reducing long-term energy consumption.

Company Name: Owens Corning FOAMGLAS® Insulation

Product Name: Polyphen® Phenolic Insulation

Type of Insulation Material: Phenolic insulation

Recommended Application: Chilled water piping

Description: Polyguard Polyphen® Phenolic Insulation offers engineers the optimal choice for chilled water pipe insulation: the highest thermal efficiency and the best fire performance of any foam insulation.

Company Name: Polyguard Products

Product Name: WC-7 Ultra Finish White

Type of Insulation Material: Fiber glass, elastomeric, calcium silicate

Recommended Application: HVAC and insulation duct work

Description: WC-7 Ultra Finish vinyl-acrylic, general-purpose mastic that has been formulated to match many of the newer types of facings now being used by insulation manufacturers.

Company Name: Vimasco Corporation



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