



Dow Building Solutions

FROTH-PAK™ Systems by Dow

Increase performance. Increase business.
Increase your bottom line.



United States | COMMERCIAL/RESIDENTIAL

FROTH-PAK
insulation and foam sealants by 



“ We’ve been very satisfied with the entire process of FROTH-PAK™. The calibration of the tanks is very simple, the wide variety of tips is extremely helpful and the cleanup is easy. Thanks for a great product! ”

— Cathi Albright
Dr. Energy Saver®

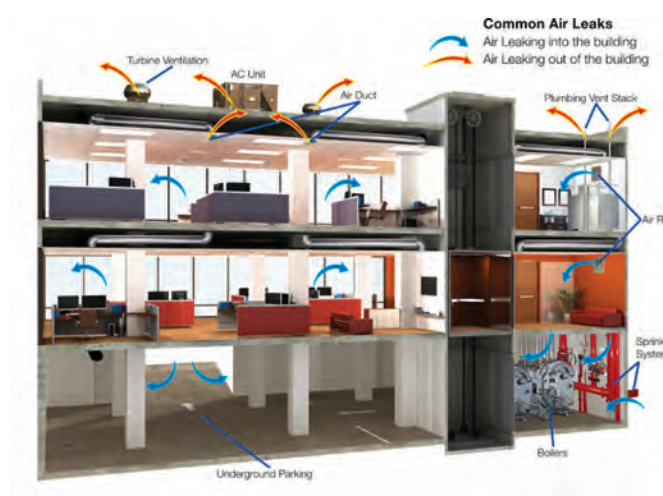
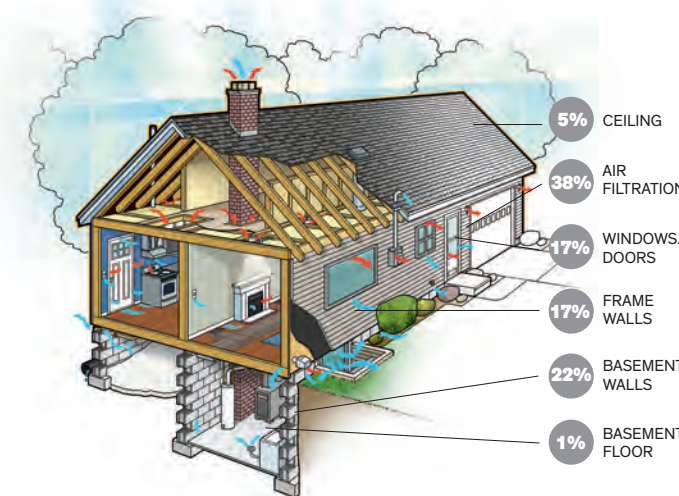


Seal the deal in a way no one else can.

Better building performance means better business. Dow Building Solutions offers a number of products designed to outperform building codes and the elements, all while helping you stay a few steps ahead of your competitors and increasing customer satisfaction. These products include FROTH-PAK™ Systems, which are an excellent choice for reducing drafts, increasing building comfort and possibly expanding your current service offerings.

Most of your customers probably don't realize that much of the energy loss in a building comes from unwanted air infiltration through gaps and cracks or that air exchange promotes moisture, a breeding ground for mold and mildew. FROTH-PAK™ helps prevent these issues.

Sources of Energy Loss



Why Air Seal with FROTH-PAK™?

Air infiltration accounts for 25%–40% of a building's energy loss. Air sealing with FROTH-PAK™ helps to:

- Reduce energy consumption
- Lower heating and cooling bills
- Increase interior comfort
- Limit drafts and heat loss
- Reduce temperature fluctuations
- Improve air quality
- Minimize carbon footprint
- Decrease load on HVAC system
- Seal out pests and allergens
- Helps prevent moisture intrusion
- Dampen outside noise
- Protect structural durability

Benefits to Contractor

FROTH-PAK™ Systems provide an affordable, easy-to-use solution that can help your business in a variety of ways:

- Higher customer satisfaction** – FROTH-PAK™ Systems are designed to deliver greater comfort and energy savings and help ensure satisfied customers
- Customer referrals** – When your customers are happy, they are more likely to recommend your company and FROTH-PAK™ Systems to others, which means more business
- Increased sales** – With a growing base of satisfied customers, you have the potential to expand sales, land larger-ticket projects and win business from your competitors
- Fewer callbacks** – FROTH-PAK™ Systems are long-lasting and time-tested – meaning you'll face fewer complaints about drafts or moisture damage
- Meet or exceed requirements** – There are new requirements on the books, and FROTH-PAK™ Systems can help you meet and exceed them
- Increased profitability** – The bottom line: You can have a greater bottom line

Benefits to Occupant

For your customers, FROTH-PAK™ Systems help create a more comfortable and efficient environment in four key areas:

- Comfort** – Building occupants enjoy more consistent temperatures and fewer drafts
- Efficiency** – FROTH-PAK™ Systems help the building use less energy, resulting in lower utility bills
- Durability** – FROTH-PAK™ Systems reduce air and moisture infiltration, helping to prevent rot, decay and other issues that are potentially harmful to structural integrity
- Health** – Helps improve indoor air quality as the result of fewer entry points for dust, dirt, allergens and pests

Whether you're working on new construction or an existing building, above or below grade, FROTH-PAK™ Systems combat air leaks and moisture intrusion by insulating and sealing on every level. Go to SprayFoamAtDow.com for more information.

An airtight case for FROTH-PAK™

What is FROTH-PAK™ and why is it the right choice?

Designed for professional use, FROTH-PAK™ is a two-component, chemically cured polyurethane foam that comes either as a sealant or a Class A fire-rated insulation. Both quickly expand to fill cavities, penetrations and gaps greater than two inches. FROTH-PAK™ helps improve the comfort, health, safety, performance and energy efficiency of any building – and all of those factors can lead to an improved bottom line when satisfied customers recommend you to others.

NOTE: The self-contained portable kits contain everything you need, with no additional gas cylinder or electricity required.

Depending on the size of your job, and whether you have a dedicated insulation and air sealing business, you can choose either a self-contained, portable kit with a convenient carrying handle or reusable, refillable kits that come in a variety of sizes.

Another benefit: You'll also realize lower long-term cost of ownership compared to drum and rig systems, due to:

- Less up-front capital investment
- Minimal setup time and less equipment maintenance

- Low-cost replacement parts
- No specialized technician required to maintain/repair
- 1-hour re-entry* versus 24 hours with drum foam means you're on to the next job and your customers can return to the building more quickly



What to use. When to use it.



FROTH-PAK™ Foam Sealant

It provides a continuous barrier against air infiltration and helps seal out moisture, dust, pests and smoke. Primarily used to seal gaps less than 4" wide in:

- Wall/attic penetrations
- Electrical, mechanical and plumbing penetrations
- Attic hatches
- Wall cavities and around pipes
- Roof/wall junctures
- Rim joists
- Manufacturing and repair of insulated vehicles and containers

Note: FROTH-PAK™ Foam Sealant is not approved for full coverage.



FROTH-PAK™ Foam Insulation

With its Class A fire rating (flame spread index of 25 or less), it can be left exposed in roof/wall junctures up to 6" in height, 2" in depth and unlimited length,† and used full-coverage behind a thermal barrier, qualifying as effective insulation for:

- Stud wall cavities
- Cold floors above unheated areas (such as a living area above a garage)
- Rim and band joists
- Crawl space walls and ceilings
- Attic ductwork
- Plumbing wall pipe insulation and support

† Check your local building codes.



Advantages of using FROTH-PAK™ systems.

Quality

- Simply put, this is one of the highest quality foams on the market, due to:
 - the best yield
 - quickest curing time
- Reduces moisture intrusion, which can lead to mold, mildew, rot and decay
- Provides similar closed-cell foam performance as high-pressure rig-applied products, with less up-front capital investment (refillable kits only)
- Can be used internally or externally, above or below grade, making it the right product for the job
- Bonds to almost any construction surface, including wood, rigid foam, masonry, metal, drywall and more
- Provides sound damping quality, in addition to its sealing and insulating properties
- Helps keep pests from entering the home or building

Simplicity

- Reduces learning curve since each system uses the same regulators and accessories
- Portable, self-contained, easy-to-handle, all-in-one kits
 - Requires no external power source or extra gas cylinders (FROTH-PAK™ Kits)
- FROTH-PAK™ Refill System includes tanks, regulator, hose assembly, gun applicator and anti-crossover gun nozzles
- Low maintenance, with no mixing, minimal setup time and few replacement parts
- Makes it easy to insulate areas that are difficult to reach with traditional fiberglass

* Check your local building codes.

† R-value per inch: ft² x h x °F/Btu; aged 180 days at 75°F.

** Find full ventilation guidelines in the online Training Center at dowbuildingsolutions.com

High Performance

- INSTA-FLO™ Dispensing Spray Gun is designed to reduce overspray and waste by maintaining on ratio foam
 - Minimal cure time, with re-entry allowed after only 1 hour,** compared to 24 hours when high-pressure drum systems are used. This ensures that you can quickly move on to your next job and your customers can quickly move back into their home or business
 - Insulation is Class A fire-rated (flame spread index of 25 or less) and NFPA-286 compliant so it can be left exposed in roof/wall junctures up to 6" in height, 2" in depth and unlimited length without a thermal barrier*
 - Can result in estimated savings of up to 30% on heating and cooling costs for your customers
 - Provides an effective air barrier in new construction
 - Fills cavities, penetrations and gaps greater than 2"
 - Two-component polyurethane foam quickly cures in less than a minute
 - Provides a high level of insulating R-value on initial application (6.6 per inch Class A) and retains R-value of 6.1,† even when foam ages (FROTH-PAK™ Foam Insulation only)
 - Optional Arctic Pak heated hose system allows year-round application in colder climates (refillable kits only)
- ### Cost Efficiency
- Helps make homes and buildings more energy efficient for a minimal initial cost, leading to lower energy costs and more comfortable buildings
 - Allows you to offer additional services with a small capital investment
 - If you already have spray rigs, FROTH-PAK™ Systems allow you to secure smaller jobs without tying up a rig

Let the good foam flow.

FROTH-PAK™ Systems offer the best dispensers in the industry.

- INSTA-FLO™ Dispensing Spray Gun is:
 - Sturdy
 - Lightweight
 - Reusable
 - Comfortable to use
- INSTA-FLO™ Dispensing Spray Gun helps reduce overspray and waste by:
 - Controlling flow rate
 - Precisely metering output
 - Protecting against accidental discharge with a flip-up safety mechanism
 - Emptying precisely on ratio, resulting in better foam quality

* See full ventilation guidelines in the online Training Center at dowbuildingsolutions.com

Dispensers of distinction.

Accurate, economical application of spray foam is easier with Dow's patented anti-crossover nozzles specially designed to help eliminate chemical crossover in FROTH-PAK™ Systems. Here are just a few of the features that make our reusable, easy-to-change nozzles the industry's best:

- **Patented nozzle design** helps reduce potential for plugged hoses
- **Multiple nozzle types** offer a variety of outputs and spray patterns
- **Side wing design** provides quick gun attachment
- **Clear dispensing tips** make it easy to identify used nozzles
- **Tapered design** improves mixing for enhanced foam quality

Dow offers the widest selection of nozzle types in the industry today, helping you find the spray pattern, output and coverage for any job.

NOZZLE TYPE	OUTPUT	COVERAGE	DESCRIPTION
CAULKING	LOW 2 lb./min	Controlled bead size	Designed for precisely controlled output that is an excellent choice for tight areas; minimizes overspray and waste
NS CONE/SPRAY	MEDIUM 4 lb./min	Small area	Cylindrical spray pattern fills voids and cavities
FAN/SPRAY	MEDIUM 4 lb./min	Wide area	Designed for flat applications (walls, roofs and ceilings); can be used to smooth out orange peel finish
POUR	HIGH 8-10 lb./min	Large volume	Designed for filling large cavities; use in hidden cavity applications

Fill 'er up, again and again.

FROTH-PAK™ Refill Systems do the same great insulating and air sealing jobs as FROTH-PAK™ Kits but, as the name implies, are refillable so you can use them over and over. They're great if you are new to spray foam or insulation/air sealing, because they supply closed-cell foam with performance similar to drum systems but help you enter the business without the expense and maintenance of drums and rigs. At the same time, they're excellent if you already own a spray rig but are looking to secure smaller jobs without tying up a rig.

How are FROTH-PAK™ Refills different than FROTH-PAK™ Kits?

- Bulk supply steel tanks that are pressurized on-site
- Containers are returnable and refillable, so you can reuse equipment again and again
- Longer, customizable hose lengths make it easier to get to hard-to-reach areas
- FROTH-PAK™ Refills are not disposable
- Technical installation and training is required
- Nitrogen is required (not supplied)

FROTH-PAK™ Refill System benefits

Affordable

- Lower long-term cost compared to drum and rig system
 - Less up-front capital investment
 - Minimal setup time



- Less equipment maintenance and low-cost replacement parts
- No specialized technician required to maintain/repair
- Can easily be added to insulation trucks to expand service offerings
- Works in colder climates with optional Arctic Pak heated hose system
- Avoid disposal fees; keep material out of landfills

Easy to Use

- Self-contained, eliminating need for generator or power cord
- Longer, customizable hose lengths
- 1-hour re-entry* period compared to 24 hours for high-pressure drum systems
- Industry-leading dispensing system

Take the chill off.

Don't let chilly temperatures leave your business out in the cold. The Arctic Pak heated hose system helps maintain consistent temperatures when winter weather comes around. Converting a FROTH-PAK™ Refill System is easy with an Arctic Pak Starter Kit that includes:

- Arctic Pak heated hose wrap and controller
- Extended hose length
- INSTA-FLO™ Dispensing Spray Gun
- Regulator kit
- Two chemical on/off valves (tank-to-hose)
- Two in-line on/off valves (hose-to-dispenser)
- Two replacement cylinder filters



POWERBLANKET® warming equipment also keeps your jobs on schedule during the colder months. Delivering a barrier of insulated heat to the spray foam, POWERBLANKET® creates an optimal application environment. For more information, call Customer Service at 877-398-7407. To order, call 801-456-8013 and refer to the item numbers below:

- DOW-17 (17-gallon tank heater)
- DOW-27 (27-gallon tank heater)
- DOW-60 (60-gallon tank heater)
- DOW-620 (620- and 650-bf single-component cylinder heater)
- DOW-200 (200- and 210-bf A & B disposable box heater)
- DOW-55RR (Rapid Ramp 55-gallon drum heater)
- DOW-55PRO (Pro series 55-gallon drum heater and thermostatic controller)
- DOW-GHT (Digital thermostatic controller)



Where does FROTH-PAK™ make sense?

The short answer: just about anywhere.

As you know, FROTH-PAK™ Foam Insulation and Sealant Kits quickly expand to fill cavities, penetrations and gaps greater than two inches. So you may think their uses only apply to homes and other buildings. While that's where the uses begin, it's not where they end – not even close.

Air Sealing

- Wall/attic penetrations
- Electrical, mechanical and plumbing penetrations
- Roof/wall junctures
- Attic perimeter
- Rim joists
- Around pipes within wall cavities
- Odor control
- Reduces entry of dust, pests and allergens



Insulation

- Stud wall cavities
- Cold floors above unheated areas (such as a living area above a garage)
- Rim and band joists
- Crawl space walls and ceilings
- Attic ductwork
- Plumbing wall pipe insulation and support



Seal Within Cavities

To block out drafts and enhance the insulation's performance, spray FROTH-PAK™ Foam Sealant using a "picture frame" technique within the wall cavity before installing batt insulation.

Heating/Ventilating/Air Conditioning

- Pipe (including geothermal) insulation
- HVAC duct sealant
- Insulation
- Stud wall cavities
- Ceiling/floor/wall penetrations sealant



Transportation/Marine

Sealant, insulation, structural stability and sound damping for:

- Boats
- Refrigerated truck trailers
- Aircraft
- Flotation applications
- RVs
- Automotive vehicles
- Rail cars
- EMS vehicles



More Uses

AGRICULTURE <ul style="list-style-type: none"> - Light control and insulation in poultry houses - Silo and grain storage bin sealant - Pest control 	COLD STORAGE <ul style="list-style-type: none"> - Floor seams - Fluted roof decks - Wall-to-wall intersects 	PLUMBING <ul style="list-style-type: none"> - Sealant around copper or PVC pipes and penetrations - Bathtub/shower base stabilizer - Fiberglass bathtub repair
ASBESTOS ABATEMENT <ul style="list-style-type: none"> - Crack, void and hole sealant - Sealant for irregular voids - Sealant to maintain negative air pressure 	POOL AND SPA <ul style="list-style-type: none"> - Insulation repair - Structural support - Sound damping 	OTHER <ul style="list-style-type: none"> - Archaeology fieldwork - Elevators, sound damping - Flotation

* See full ventilation guidelines in the online Training Center dowbuildingsolutions.com
POWERBLANKET is a registered trademark of Flatwork Technologies, LLC.

Our products help you build in better performance.

FROTH-PAK™ offers a great solution that can bring great savings. FROTH-PAK™ Systems are a cost-effective way to increase the energy efficiency and value of buildings and, at the same time, can help expand your business and bottom line.

It comes as no surprise that one way to increase your profitability is to lower your cost of materials. FROTH-PAK™ Kits and Refills make that easy by offering solutions in a range of sizes to meet your needs.

And the value of FROTH-PAK™ grows when you compare FROTH-PAK™ Refills to the big rigs:

- You get closed-cell performance similar to high-pressure, rig-applied products but with less up-front capital investment
- You can leverage your current business and take on smaller jobs without tying up a spray rig
- Training and technical support for FROTH-PAK™ is supplied by Dow

- Lower long-term cost of ownership compared to drum and rig system
 - Less up-front capital investment
 - Minimal setup time
 - Less equipment maintenance (rig system maintenance can average \$5,000–\$10,000 annually)
 - Low-cost replacement parts (gun replacement is approximately \$60)
 - No specialized technician required to maintain/repair
- Satisfied customers because they can return to their home or building after 1 hour versus the 24-hour period necessary when high-pressure spray foam is dispensed*
- Dow pays the freight to and from the jobsite on refill containers, and there is no deposit fee
- Easy access to replacement parts and materials

Performance that outperforms the competition.

FROTH-PAK™ Systems stand on their own as an effective way to help improve the comfort, health, safety, performance and energy efficiency of any building. But it's only when you see the shortcomings of the competition that you realize how wide the gap is between FROTH-PAK™ and other sealing and insulating solutions.

Fiberglass Batt and Cellulose Insulation

- Fiberglass batts leak air, lose R-value when compressed and promote mold growth when wet
- Involves measuring and cutting, creating potential for inaccuracy
- Cellulose can leave gaps around pipe penetrations, absorb moisture and create additional pockets of air

Mobile Dispensing Cart System

- Non-refillable
- Lower overall costs versus other mobile systems
- Not approved for use in the same places FROTH-PAK™ is – such as roof/wall juncture, roof penetrations, conduit, wall/floor juncture, and duct joints

High-Pressure Rig System

- Higher long-term cost of ownership compared to FROTH-PAK™ due to:
 - Higher up-front capital investment
 - More setup time
 - Higher equipment maintenance and costly replacement parts
 - Requires specialized technician to maintain/repair
 - 24-hour re-entry time for occupants
 - Difficult to cover smaller jobs

Contractors say it best:

“Dow Building Solutions has been a great asset for my company. The training, the support, the service. They're there for me, helping my business grow. Plus, FROTH-PAK™ has given my business another source of revenue. I just tell my customers the kind of money they can save on their heating bills, and they see the value.”

– Ken Sheldon
Metro Home Insulation

SEE HOW FROTH-PAK™ KITS RATED †

	FROTH-PAK™	MAJOR COMPETITORS
Consistent Quality, application on ratio (0.95–1.20 A:B)	98% (see Table 1)	20% to 60%
Flow Rate	Most consistent from start to finish (see Table 2)	Becomes too fast to be controllable and too slow to be useful
Reliability, dispensing system	Anti-crossover nozzles	Standard nozzles
Time to Dispense Kit (min)	9–10 for a 200 kit	10–23

Table 1: Application on Ratio

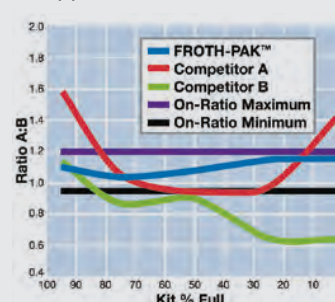
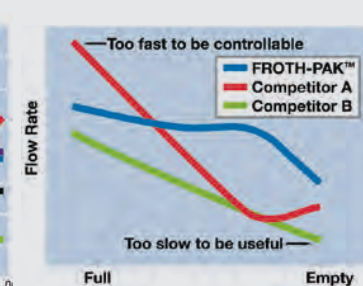


Table 2: 200 Kit Flow Rate



Our people help you create bigger business.

Expertise that extends beyond our products.

As a building professional, you get much more than exceptional products when you work with Dow Building Solutions. You also benefit from an industry-leading level of sales and technical support in the area of building science. We deliver a wealth of resources to resolve day-to-day challenges and help your business grow. You can count on us for:

- An extensive sales force working to generate demand for your business and providing training to you and your teams
- In-house technical support to help you meet and exceed building codes
- Product support to assist you with installations and implementations, including the process of calibrating the cylinders
- National marketing initiatives that drive education and demand
- Industry support that offers education, training and other programs to keep you connected and informed
- R&D specialists who are constantly creating new and enhanced systems and applications to help you stay ahead of codes – and your competition

More than 65 years of being years ahead.

At Dow, we are constantly creating new and enhanced products to help you stay ahead of codes – and your competition. When you use these products, you're backed by the name that is an industry leader in building science and performance. Our team of building-envelope engineers and scientists work with contractors, builders, specifiers, architects and designers to integrate the right solutions for the right applications to maximize thermal, air and moisture management of the building envelope. That way, you'll begin every project knowing your materials come from an industry leader that continually sets the standard for insulating, protecting and enhancing buildings.

To learn more about our products as well as the benefits of partnering with Dow Building Solutions, contact us at **1.866.583.BLUE (2583)** or visit **SprayFoamAtDow.com**

You can find FROTH-PAK™ safe-handling instructions in the online Training Center at **dowbuildingsolutions.com**



Our products help you create a better building. Our people help you create a bigger business.

Our team of experts is here to help you outperform.

With Dow Building Solutions as your partner and product provider, you get all the benefits of working with building-envelope experts. Our team provides an unprecedented level of sales and technical support – combined with industry-leading research and product development – to help you provide better buildings and grow your business. Dow offers the people, knowledge and relationships to address the needs of your business through:

- An in-house customer service team that is trained to support you and your business from your first order – and beyond
- Technical support to help you with any installation or application questions
- Our in-the-field sales team that consults with your team to help ensure you're offering the best solutions to your customers



* Find full ventilation guidelines in the online Training Center at dowbuildingsolutions.com
 † Testing conducted by Dow Building Solutions using 200/205 sized kits. There is currently no third-party standard to make these evaluations. All product was sprayed within the kit's expiration date at a nominal room temperature of 75°F–85°F (24°C–29°C). Spray equipment was used as supplied with each kit and sprayed as per manufacturer's instructions using supplied cone spray nozzles.



Big job? Small job? Any job.

No matter the size, there's a FROTH-PAK™ Solution to get the job done.

Part of being the leader in the fight against air leaks is making sure there's a solution for any job.

SIZES

FROTH-PAK™ Sealant Kits: 12, 120, 200, 620

FROTH-PAK™ Insulation Kits: 210, 650

FROTH-PAK™ Sealant and Insulation Refills: 17, 27, 60, 120, 350

FROTH-PAK™ Foam Insulation Kits

PRODUCT	THEORETICAL YIELD,* BOARD FEET AT 1" THICK	R-VALUE AGED† (INITIAL)
FROTH-PAK™ 210	210	6.1 (6.6)**
FROTH-PAK™ 650	650	6.1 (6.6)**

FROTH-PAK™ Foam Insulation Refillable Cylinders

PRODUCT	THEORETICAL YIELD; BOARD FEET AT 1" THICK	REACTION	DENSITY, LB/FT ³	R-VALUE AGED† (INITIAL)
FROTH-PAK™ 17	2,150	Quick	1.75	6.1 (6.6)**
FROTH-PAK™ 27	3,480	Quick	1.75	6.1 (6.6)**
FROTH-PAK™ 60	7,160	Quick	1.75	6.1 (6.6)**
FROTH-PAK™ 120	16,110	Quick	1.75	6.1 (6.6)**
FROTH-PAK™ 350	45,820	Quick	1.75	6.1 (6.6)**

FROTH-PAK™ Foam Sealant Kits

PRODUCT	THEORETICAL YIELD; BOARD FEET AT 1" THICK (M ²)	R-VALUE AGED** (INITIAL)
FROTH-PAK™ 12	12 (0.03)	4.6 (6.3)
FROTH-PAK™ 120	120 (.28)	5.3 (6.6)
FROTH-PAK™ 200	200 (.46)	5.3 (6.6)
FROTH-PAK™ 620	620 (1.46)	5.3 (6.6)

FROTH-PAK™ Foam Sealant Refillable Cylinders

PRODUCT	THEORETICAL YIELD; BOARD FEET AT 1" THICK (M ²)	R-VALUE AGED** (INITIAL)
FROTH-PAK™ 17	2,060 (4.85)	5.3 (6.6)
FROTH-PAK™ 27	3,240 (7.65)	5.3 (6.6)
FROTH-PAK™ 60	6,860 (16.2)	5.3 (6.6)
FROTH-PAK™ 120	15,430 (36.4)	5.3 (6.6)
FROTH-PAK™ 350	43,890 (103.6)	5.3 (6.6)

Included in each FROTH-PAK™ Kit

- 1 ISO tank
- 1 Polyol tank
- Gun hoses
- INSTA-FLO™ Dispensing Spray Gun
- Anti-crossover nozzles

FROTH-PAK™ Refill accessories

- Customizable to fit each job's needs and size
- Heated hose system available for cold weather use

* The theoretical yield has become an industry standard for identifying certain sizes of two-component kits. Theoretical yield calculations are performed in laboratory conditions, without taking into account the loss of blowing agent or the variations in application methods and types.

† R-Value per inch: ft² x h x °F/Btu; aged 180 days at 75°F.

** R-value per inch: ft x h x °F/Btu; aged IITR measured at 2" thick.

What does it all mean?

The last word on the first name in insulation and sealant.

FROTH-PAK™ comes as either a sealant or a Class A fire-rated insulation. Both quickly expand to fill cavities, penetrations and gaps greater than two inches to block air infiltration, enhance thermal performance and manage moisture on insulation jobs of all sizes. FROTH-PAK™ helps improve the comfort, health, safety, performance and energy efficiency of any building – and all of those factors can help improve customer satisfaction and, ultimately, your bottom line.

You also benefit from an industry-leading level of training and technical support to help ensure you have everything you need. Plus, we make it easy for you to purchase FROTH-PAK™ Systems:

- Through your Dow sales representative
- Dow pays the freight to and from the jobsite on refill containers, and there is no deposit fee

Required Personal Protective Equipment.

- NIOSH-approved full-face or half-mask air-purifying respirator with an organic vapor sorbent and a P100 particulate filter
- Protective clothing or impermeable coveralls, including long sleeves for full-body coverage
- Chemical-resistant gloves (coated with nitrile, butyl rubber, neoprene or PVC)
- Goggles or safety glasses (if not using a full-face respirator)



Coveralls



Respirator



Eye Protection



Gloves

Outperform the competition with Dow Building Solutions

For more than 65 years, Dow has been a proven industry-leader in above and below grade air sealing solutions, including FROTH-PAK™ Systems. Since the invention of STYROFOAM™ Brand XPS Insulation, Dow has helped contractors differentiate themselves in the marketplace and build better-performing, energy-efficient homes and buildings for customers. See our latest offerings at dowbuildingsolutions.com



In the U.S.

The Dow Chemical Company

Dow Building Solutions

200 Larkin Center

Midland, MI 48674

Sales & Technical Information

866-583-BLUE (2583)

Sales Information

800-232-2436 (English)

SprayFoamAtDow.com

dowbuildingsolutions.com

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The products shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Dow Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult Material Safety Data Sheets, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada. When air sealing buildings, ensure that combustion appliances, such as furnaces, water heaters, wood burning stoves, gas stoves and gas dryers, are properly vented to the outside. See website: <http://www.epa.gov/iaq/homes/hip-ventilation.html>.

FROTH-PAK™ Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and Material Safety Data Sheets carefully before use. Wear protective clothing (including long sleeves), gloves, goggles or safety glasses, and proper respiratory protection. Do not breathe vapor or mist. Use only with adequate ventilation. It is recommended that applicators and those working in the spray area wear respiratory protection. Increased ventilation significantly reduces the potential for isocyanate exposure; however, supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particulate filter may still be required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure, air-supplying respirator (air-line or self-contained breathing apparatus). Spraying large amounts of foam indoors may require the use of a positive-pressure, air-supplying respirator. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

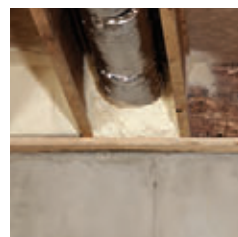
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“Dow FROTH-PAK™ Systems considerably cut down prep time, and the 1-hour* [reoccupy] time frame is a great solution. Plus, the low-pressure system works extremely well in tight situations.”

— Cally Galloway
Vice President, Galloway-Bell, Inc.

Occupants save every year.

You can explain the comfort and efficiency FROTH-PAK™ delivers or talk about how this higher performance building solution helps improve the value of any structure. But home and building owners want to know about the return on investment for FROTH-PAK™ products.



ENERGY SAVINGS **	
PROJECT	Seal rim joist and sill plate
PRODUCT	FROTH-PAK™ Foam Insulation
ENERGY SAVINGS	\$125 annually

** Savings based on comprehensive air sealing study involving interval testing consisting of field-trialed blower door testing and simulated energy modeling with Architectural Energy Corporation REM/Rate v 12.7. Bibee, Douglass V., Johnson, Katherine L., Nelson, Donald R. Thermal Performance of the Exterior Envelopes of Whole Buildings (2010).

* Find full ventilation guidelines in the online Training Center at dowbuildingsolutions.com