



# INSULATES. FILLS. AIR SEALS.

Spray & Pour-In-Place Foam Brochure



SEALING INSULATION BOARD JOINTS

FOUNDATION INSULATION

INSULATING CRAWLSPACES

INSULATING & SEALING RIM JOISTS

RESIDENTIAL WALL INSULATION

AIR SEALING ATTIC & PENETRATIONS

SEALING THE ROOF/WALL JUNCTURE

INSULATING METAL BUILDINGS

INSULATING VOID OF CINDER BLOCK WALL

INSULATING IRREGULAR SHAPED INDUSTRIAL PIPING

BUOYANCY FOR FLOATING DOCKS

## INSULATES & AIR SEALS

Handi-brand® low pressure spray polyurethane foam (SPF) and low pressure pour-in-place polyurethane foam (PIP) kits are chemically cured and designed for the professional to fill large voids and surfaces. Compared to standard insulation products, Handi-brand foams offer higher insulation values, are easy to install, and provide complete air tight coverage when properly installed.

Most disposable polyurethane foam kits are packaged with the patented Handi-Gun® dispensing unit, which provides accurate and precise dispensing in both spray and pour-in-place applications. Disposable foam kits are available in various sizes and formulations to meet application and market requirements. The portability of the foam kits allows for maximum flexibility to fit virtually any application.

The low pressure polyurethane foam refillable systems utilize the Handi-Gun dispensing units that provide accurate and precise dispensing. The addition of the Magnum Heated System® provides improved temperature control and extended reach for increased flexibility.



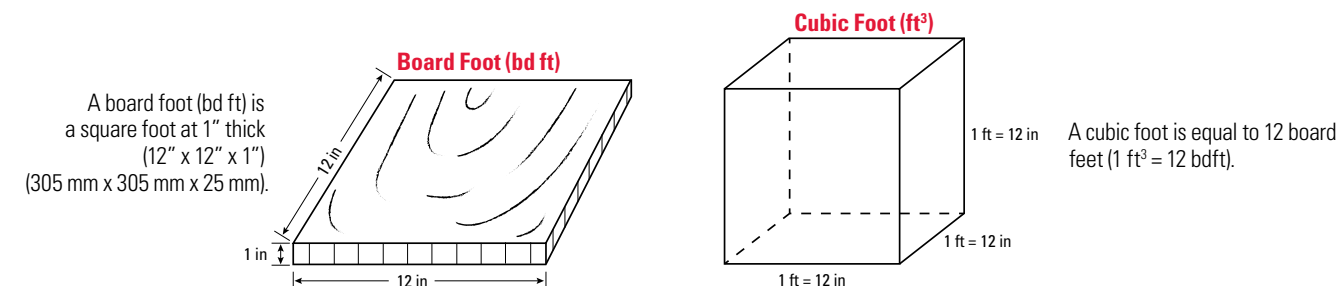
- Product chemically cures after exiting the nozzle
- Ideal to fill large voids and surfaces
- Disposable and refillable options
- Variety of products and technologies available for use in various applications



## UNDERSTANDING YOUR FOAM OPTIONS

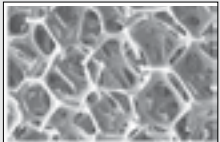

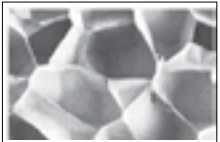

### Board feet vs. Cubic Feet

Disposable kits and refillable systems are named for their theoretical yield, measured in either board or cubic feet. Low pressure spray polyurethane foam (SPF) products are measured in board feet (bd ft) while low pressure pour-in-place polyurethane foam (PIP) products are measured in cubic feet. Yields are based on theoretical calculations for comparison purposes only and will vary depending on ambient and chemical conditions, spray technique and application.



### Open vs. Closed Cell Foam

ICP Adhesives & Sealants, Inc. (ICP) manufactures both open and closed cell low pressure polyurethane foam products. Choice of either foam type depends on the application requirements or desired outcome.

ATTRIBUTES	OPEN CELL FOAM	CLOSED CELL FOAM
<b>TYPICAL HANDI-FOAM® AGED R-VALUE AT 1"</b>	4.30	6.00
<b>SUPERIOR COMPRESSION STRENGTH</b>		x
<b>LIQUID WATER RESISTANCE</b>		x
<b>AIR BARRIER</b>	x	x
<b>SOUND ABSORPTION</b>	x (superior)	x
<b>VAPOR RETARDER</b>		x
<b>INCREASES STRUCTURAL STRENGTH</b>		x
<b>INTERIOR/EXTERIOR USE</b>	Interior	Interior & Exterior
<b>RESISTANCE TO MOLD</b>	x	x
<b>COMMON NAMES</b>	Low Density, 1/2 pound foam	Medium Density, 2 pound foam
<b>APPEARANCE</b>	Soft, spongy  	Semi-rigid  

### Fan vs. Cone Tip Nozzle

Color Wise™ Temperature Warning nozzles are available for both Handi-Gun® dispensing units. To be sure customer needs are met, ColorWise nozzles are available in both cone and fan spray patterns.



#### Fan Nozzle

Used for extensive surface coverage. The fan nozzle also provides more consistent foam thickness for larger volume applications.



#### Cone Nozzle

Used for bead applications for a narrow, more directed pattern. Ideal for pour-in place applications.





# STANDARD INSULATION



## HANDI-FOAM® E84 CLASS 1(A)

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam E84 Class 1(A) is a two-component system designed to fill and insulate large voids and surfaces. Handi-Foam E84's excellent adhesion properties create a continuous air barrier. This quality completes the building envelope, resulting in improved indoor air quality and lower heating and cooling costs. Handi-Foam E84 is a Class 1(A) fire rated foam that meets various building code requirements for insulation.

Handi-Foam E84 is GREENGUARD Gold Certified for low chemical emissions, which reinforces our commitment to product stewardship by contributing to healthier indoor environments.

- P10705 – II-105 HANDI-FOAM
- P10726 – II-205 HANDI-FOAM
- P10762 – II-605 HANDI-FOAM
- P22070 – HANDI-FOAM SYSTEM 17 REFILL
- P22270 – HANDI-FOAM SYSTEM 27 REFILL
- P22470 – HANDI-FOAM SYSTEM 60 REFILL
- P22670 – HANDI-FOAM SYSTEM 100 REFILL

In Canada, Handi-Foam E84 Class 1(A) shall be installed per the manufacturer instructions and CAN/ULC S711.1.



### VARIETY OF RESIDENTIAL & COMMERCIAL APPLICATIONS

- Residential applications:
- Sealing insulation board joints
  - Foundation insulation
  - Insulating crawlspaces
  - Insulating & sealing rim joists
  - Sealing ductwork joints
  - Residential wall insulation
- Commercial applications:
- Air sealing attic
  - Sealing attic penetrations
  - Sealing the roof/wall juncture
  - Cold storage insulation
  - Thermal break on cinder block wall
  - Insulating metal buildings

### HANDI-FOAM E84 TECHNICAL DATA

<b>R-VALUE (AGED)</b>	6.00 at 1" thick • 12.00 at 2" thick
<b>DENSITY</b>	1.75 lb/ft <sup>3</sup> (28 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–60 seconds
<b>CUTTABLE</b>	2–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	95% CLOSED cell content
<b>FIRE RATING</b>	ASTM E84 at 2" thick
Flame Spread	20
Smoke Developed	400
<b>APPROVALS</b>	GREENGUARD Gold CCMC #13455-L ESR 2717
<b>SHelf LIFE</b>	12 months – Disposable 6 months – Refill

### IDEAL FOR FLASH AND BATT

Handi-Foam spray polyurethane foam is a very stable product that will not settle or shrink over time and is ideal for flash and batt, or hybrid insulation systems. A coating of Handi-Foam Quick Cure provides a tight air barrier and vapor retarder while fiberglass or other traditional insulation materials provide R-value for an economical, efficient insulation system. This ensures a true air seal preventing air movement and uncomfortable drafts.

### HANDI-FOAM QUICK CURE TECHNICAL DATA

<b>R-VALUE (AGED)</b>	6.00 at 1" thick
<b>DENSITY (FREE RISE)</b>	1.75 lb/ft <sup>3</sup> (28 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–60 seconds
<b>CUTTABLE</b>	2–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	95% CLOSED cell content
<b>FIRE RATING</b>	ASTM E84/UL 723 at 2" thick
Flame Spread	75
Smoke Developed	450
<b>APPROVALS</b>	GREENGUARD Gold UL94 / HF-1
<b>SHelf LIFE</b>	12 months – Disposable 6 months – Refill



## HANDI-FOAM® QUICK CURE

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam Quick Cure is a chemically cured, two-component system, designed to fill and insulate large voids and surfaces. Handi-Foam Quick Cure's excellent adhesion properties create a continuous air barrier. This quality completes the building envelope and results in improved indoor air quality and lower heating and cooling costs for the building or homeowner. Properly applied Handi-Foam Quick Cure can help reduce energy consumption, leading many homes or buildings to be certified in their respective energy designation. Handi-Foam Quick Cure is also UL GREENGUARD™ Gold Certified.

Handi-Foam Quick Cure is available in a variety of disposable and refillable sizes and is dispensed using a Handi-Gun® Dispensing Unit.

- P10600 – II-12 HANDI-FOAM
- P10650 – II-22 HANDI-FOAM
- P10700 – II-105 HANDI-FOAM
- P10720 – II-205 HANDI-FOAM
- P10749 – II-605 HANDI-FOAM
- P22000 – HANDI-FOAM SYSTEM 17 REFILL
- P22100 – HANDI-FOAM SYSTEM 27 REFILL
- P22500 – HANDI-FOAM SYSTEM 60 REFILL
- P22700 – HANDI-FOAM SYSTEM 100 REFILL





# STANDARD INSULATION



## VARIETY OF APPLICATIONS

- Trailer insulation
- Recreational vehicle sound deadening and underside protection
- Vehicle door insulation and vibration control
- Insulating and sealing chicken coops

## HANDI-FOAM COMMERCIAL VEHICLE TECHNICAL DATA

<b>R-VALUE (AGED)</b>	5.50 at 1" thick
<b>DENSITY</b>	1.70 lb/ft <sup>3</sup> (27.30 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–45 seconds
<b>CUTTABLE</b>	1–2 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	>90% CLOSED cell content
<b>FIRE RATING</b>	ASTM E84/UL 723 at 1" thick
Flame Spread	15
Smoke Developed	195
<b>APPROVALS</b>	Meets FMVSS 302/CMVSS 302 Burn Rate 0/00 in/min
<b>SHELF LIFE</b>	12 months – Disposable 6 months – Refill



## HANDI-FOAM® COMMERCIAL VEHICLE

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam Commercial Vehicle low pressure spray polyurethane foam is a chemically cured, two-component system designed specifically for use in a vehicle's undercarriage, engine compartment and frame. The foam provides a protective layer and helps reduce vibrations, leading to an increase in the longevity of the vehicle and providing a more comfortable operating environment by deadening sound. Handi-Foam Commercial Vehicle is black in color, which allows the foam to blend in with the vehicle and its components.

Handi-Foam Commercial Vehicle is available in a variety of disposable and refillable sizes and is dispensed using a Handi-Gun® Dispensing Unit.

- P10733 – II-205 HANDI-FOAM
- P10756 – II-605 HANDI-FOAM
- P21050 – HANDI-FOAM SYSTEM 8 REFILL



## HANDI-FOAM® SPF ROOF PATCH

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam SPF Roof Patch low pressure spray polyurethane foam is a chemically cured, two-component system designed for applications with higher compressive strength requirements, such as the repair and maintenance of commercial polyurethane foam roofs. Handi-Foam SPF Roof Patch retains the insulation value of the roof and maintains the roof's seamless seal.

Handi-Foam SPF Roof Patch is available in a variety of disposable sizes and is dispensed using the patented Handi-Gun® Dispensing Unit.

- P10695 – II-75 HANDI-FOAM
- P10725 – II-145 HANDI-FOAM
- P10750 – II-425 HANDI-FOAM



## PERFECT FOR PATCH AND REPAIR

Handi-Foam SPF Roof Patch meets commercial roofing codes for compressive strength for polyurethane foam roofs. This product is ideal for applications where higher compressive strengths are required.

- Seal around faulty flashings, vents or equipment
- Build up low lying areas where water pools
- Repair cracks
- Patch roof after equipment changes
- Sealing of pin holes in polyurethane roofs
- Repair of type A and B blisters

## HANDI-FOAM SPF ROOF PATCH TECHNICAL DATA

<b>R-VALUE (AGED)</b>	6.10 at 1" thick
<b>DENSITY</b>	2.50 lb/ft <sup>3</sup> (40 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–60 seconds
<b>CUTTABLE</b>	2–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	>90% CLOSED cell content
<b>FIRE RATING</b>	ASTM E84/UL 723 at 1" thick
Flame Spread	75
Smoke Developed	450
<b>COMPRESSIVE STRENGTH</b>	ASTM 1621 40 psi (275 kPa)
<b>SHELF LIFE</b>	12 months

# OPEN CELL INSULATION



## HANDI-FOAM® SOUND BARRIER

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam Sound Barrier low pressure spray polyurethane foam is an open-cell, chemically cured, two-component system designed for sound deadening, as well as filling and insulating large voids and surfaces. Handi-Foam Sound Barrier significantly reduces noise levels, achieving a Sound Transmission Coefficient (STC) of 35 at 3" (7.6 cm) thick in a wall assembly and a Noise Reduction Coefficient (NRC) of 0.7. The high expansion property of the foam easily fills voids.

Handi-Foam Sound Barrier is available in a variety of disposable sizes and is dispensed using the patented Handi-Gun® Dispensing Unit.

- P10697 – II-250 HANDI-FOAM
- P10714 – II-450 HANDI-FOAM
- P10747 – II-1350 HANDI-FOAM



### VARIETY OF APPLICATIONS

Residential applications:

- Interior walls
- Office walls
- Common walls
- Media rooms
- Play rooms
- Reduces noise infiltration
- Inbetween floors

### HANDI-FOAM SOUND BARRIER TECHNICAL DATA

<b>R-VALUE (AGED)</b>	4.30 at 1" thick
<b>DENSITY</b>	0.75 lb/ft <sup>3</sup> (12 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–45 seconds
<b>CUTTABLE</b>	3–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	95% OPEN cell content
<b>FIRE RATING</b>	ASTM E84 Class 2(B) at 4" thick
Flame Spread	50
Smoke Developed	450
<b>APPROVALS</b>	GREENGUARD Gold
<b>SHELF LIFE</b>	12 months

### VARIETY OF APPLICATIONS

Residential applications:

- Media rooms
- Common walls
- Reduces noise infiltration
- Primary insulation for remodeling jobs

### HANDI-FOAM LOW DENSITY TECHNICAL DATA

<b>R-VALUE (AGED)</b>	4.30 at 1" thick
<b>DENSITY</b>	0.75 lb/ft <sup>3</sup> (12 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	30–45 seconds
<b>CUTTABLE</b>	3–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	95% OPEN cell content
<b>FIRE RATING</b>	ASTM E84 Class 2(B) at 4" thick
Flame Spread	50
Smoke Developed	450
<b>APPROVALS</b>	GREENGUARD Gold
<b>SHELF LIFE</b>	12 months



## HANDI-FOAM® LOW DENSITY

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

Handi-Foam Low Density low pressure spray polyurethane foam is an open cell, chemically cured, two-component system used to fill and insulate large voids and surfaces. Handi-Foam Low Density is great for sound deadening and reducing noise volume. Ideal for patch and repair or touch-up work of currently insulated buildings where a low density foam is installed.

Handi-Foam Low Density is GREENGUARD Gold Certified (formerly known as Children and Schools) for low chemical emissions, which reinforces our commitment to product stewardship by contributing to healthier indoor environments.

- P10694 – II-450 HANDI-FOAM
- P10770 – II-1350 HANDI-FOAM





# SPECIALTY INSULATION



## HANDI-FLOW® CHANNEL FILL

LOW PRESSURE POUR-IN-PLACE POLYURETHANE FOAM (PIP)

Handi-Flow Channel Fill low pressure pour-in-place polyurethane foam is one of the most versatile chemically cured, two-component foam systems available. It completely fills voids and cavities of all shapes and sizes with minimal fill points. Handi-Flow Channel Fill is powered by the patented High Flow Technology®. This allows the foam to flow greater distances, making it ideal for a wide variety of applications.

- P50001 – 2-15 HANDI-FLOW
- P50002 – 2-44 HANDI-FLOW
- P77001 – HANDI-FLOW SYSTEM 8 REFILL

High Flow Technology® is an industry first polyurethane foam category, taking traditional pour-in-place foams and adding the ability to flow great distances and around existing fiberglass batt insulation in under insulated wall cavities. For tough to insulate or tricky areas, High Flow Technology is often the solution.



### HANDI-FLOW CHANNEL FILL TECHNICAL DATA

<b>R-VALUE (AGED)</b>	7.20 at 1" thick
<b>DENSITY</b>	2.00 lb/ft <sup>3</sup> (32 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	60–90 seconds
<b>CUTTABLE</b>	3–5 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	>90% CLOSED cell content
<b>FIRE RATING</b>	ASTM E84 (in an assembly 6" thick with 3/16" steel channels)
Flame Spread	0
Smoke Developed	85
<b>SHELF LIFE</b>	6 months – Refill 12 months – Disposable

### HANDI-FLOW CAVITY FILL TECHNICAL DATA

<b>R-VALUE</b>	5.60 at 1" thick
<b>DENSITY</b>	2.00 lb/ft <sup>3</sup> (32 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	120–240 seconds (2–4 minutes)
<b>CUTTABLE</b>	10–20 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	approx. 90% CLOSED cell content
<b>SHELF LIFE</b>	6 months – Refill 12 months – Disposable



## HANDI-FLOW® CAVITY FILL

LOW PRESSURE POUR-IN-PLACE POLYURETHANE FOAM (PIP)

Handi-Flow Cavity Fill low pressure pour-in-place polyurethane foam is a chemically cured, two-component system specifically designed for filling cavities, molds, fixtures or holes where a slower curing and expanding low pressure polyurethane foam system is required. The foam can be used for voids of various sizes to insulate, fill, seal, strengthen, deaden sound and reduce vibration.

Handi-Flow Cavity Fill is available in a variety of disposable sizes and is dispensed using the patented Handi-Gun® Dispensing Unit.

- P10742 – 2-14 HANDI-FLOW
- P10766 – 2-44 HANDI-FLOW



## HANDI-FLOW® SLOW RISE

LOW PRESSURE POUR-IN-PLACE POLYURETHANE FOAM (PIP)

Handi-Flow Slow Rise low pressure pour-in-place polyurethane foam is a chemically cured, two-component system specifically designed to fill and insulate large voids and cavities. In addition to insulating, Handi-Flow Slow Rise provides buoyancy, decreases vibrations, deadens sounds and meets the Coast Guard specification requirements for flotation in Title 33 Code of Federal Regulations, paragraph 183.114.

Handi-Flow Slow Rise is available in a variety of disposable and refillable sizes and is dispensed using a Handi-Gun® Dispensing Unit.

- P10709 – 2-7 HANDI-FLOW
- P10732 – 2-13 HANDI-FLOW
- P10760 – 2-43 HANDI-FLOW
- P22245 – HANDI-FLOW SYSTEM 27 REFILL
- P22445 – HANDI-FLOW SYSTEM 60 REFILL



### HANDI-FLOW SLOW RISE TECHNICAL DATA

<b>R-VALUE</b>	5.90 at 1" thick
<b>DENSITY</b>	2.00 lb/ft <sup>3</sup> (32 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	60–90 seconds
<b>CUTTABLE</b>	5–10 minutes
<b>FULLY CURED TIME</b>	1 hour
<b>CELL STRUCTURE</b>	>90% CLOSED cell content
<b>APPROVALS</b>	Meets 33 CFR 183.114 requirements for flotation
<b>SHELF LIFE</b>	6 months – Refill 12 months – Disposable





## VALUE

- Minimal equipment investment
- Set up & tear down in minutes
- Used with Handi-brand® low pressure polyurethane foam refill systems
- Simple maintenance
- Reliable operating system that will save on costs associated with job site down-time
- Tanks are returned to ICP for recycling and redistribution
- Tailored system to fit job needs

## CONVENIENT

- Tanks are easily transported for use on job sites
- System is easy to use and set up
- Heated components are powered by standard 120V service
- Hoses switch to new tanks in minutes
- Free of pumps and motors, provides quiet operation

## PERFORMANCE

- Low maintenance
- Reduces down-time when compared to other foam systems

# MAGNUM HEATED SYSTEM®

The Magnum Heated System is a low pressure polyurethane foam refillable system that features a heated hose assembly and utilizes a Handi-Gun® dispensing unit. The heated system keeps the chemicals at a consistent, warm temperature as they travel from the tanks to the dispensing unit. The temperature control offered by a heated hose system is imperative for continued dispensing in colder climate conditions.

## MASTERING THE MAGNUM

The Magnum Heated System is an easy system to learn and comprehensive training is required. ICP provides one-day comprehensive training programs that involve the experts who provide resources, instruction and valuable hands-on training. The program includes:

- General spray foam education
- Equipment safety
- Magnum procedures and instructions
- Transportation, storage and refill
- Sales and marketing

## THE VALUE OF HEAT FOR A QUALITY SPRAY

Temperature consistency and control are essential for optimum foam dispensing and yield. As the temperature of the foam varies from optimal temperatures, it causes a poor mixing of the two components. This can significantly affect foam quality and yield. The Magnum Heated System ensures that foam is held at a consistent temperature from tank to spray nozzle.

Factors that can cause temperature inconsistency:

- Ambient temperature outside of the recommended range\*
- Chemical temperature outside of the recommended range\*
- Consistency of spray time
- Hose length
- Ground temperature

\*See TDS for product specific temperature recommendations

## WHY CHOOSE MAGNUM?

In ideal situations, all low pressure polyurethane foam should be applied at a consistent, warm temperature. However, ideal situations are not always possible and ambient temperatures can range. ICP offers a heated hose system that maintains polyurethane foam at consistent temperatures as it travels from the conditions tanks to the hose to the point of application.

FEATURES & BENEFITS	MAGNUM HEATED SYSTEM®	HIGH PRESSURE SYSTEMS
HEATED HOSE	X	X
MINIMAL INITIAL ENTRY FEE	X	
SHORT START-UP & SHUT-DOWN	X	
MINIMAL MAINTENANCE & UPKEEP	X	
VARIETY OF PRODUCTS AVAILABLE	X	X
CAN BE USED CONCURRENTLY WITH OTHER TRADESMEN	X	
120V PLUG	X	
RECYCLABLE, REFILLABLE TANKS	X	
FREE OF PUMPS AND MOTORS / QUIET OPERATION	X	

## COMMITTED TO SUSTAINABILITY

The Magnum Heated System also promotes environmental conservation. The tanks used in conjunction with the Magnum Heated System are shipped back to ICP, cleaned, refilled and redistributed. This recycling program eliminates landfill waste and reduces materials and energy used in the production of new tank systems. The Magnum Heated System demonstrates the ICP's dedication to being an environmental leader, committed to sustainability.



# HANDI-GUN® SPECIFICATIONS



The patented Handi-Gun dispensing units are available with our low pressure spray polyurethane foam (SPF) and low pressure pour-in-place polyurethane foam (PIP) disposable kits and refillable systems. The Handi-Guns offer easy nozzle attachments, responsive triggers for accurate metering and clear hoses to provide easy viewing of chemical flow. Additional options are available in the models below.

## HANDI-GUN II

### REVOLUTIONIZING THE WAY TO SPRAY™

- **Twist and Lock Nozzles:** Versatile cone and fan spray patterns with the updated twist and lock ColorWise™ Temperature Warning Nozzles.
- **Variable Flow Control:** Advanced Hi/Lo switch with meterable flow for industry leading application control.
- **Intuitive Operation:** One hand required, simple and secure trigger safety that allows for pinch free operation and protection from accidental chemical release.
- **Sturdy & Comfortable Grip:** Ergonomically designed with you in mind, the Handi-Gun II has been refined to enhance comfort and control for our professional users.
- **Enhanced Visibility:** Clear hoses attached to the Handi-Gun II provide easy viewing of the chemical flow.

*(Handi-Gun II only available with low pressure polyurethane foam refillable systems)*



ColorWise  
TEMPERATURE WARNING NOZZLES

## HANDI-GUN

### THE ULTIMATE WAY TO SPRAY

- **Snap On/Snap Off Nozzles:** Convenient ColorWise™ Temperature Warning Nozzles attachments with a snap-on, snap-off connection.
- **Responsive Trigger:** Allows for accurate metering, precise application, labor savings and reduced waste.
- **Enhanced Visibility:** Clear hoses attached to the Handi-Gun provide easy viewing of the chemical flow.



ColorWise  
TEMPERATURE WARNING NOZZLES

# IMPORTANCE OF TEMPERATURE

Temperature is critical for all low pressure polyurethane foams. Chemical that is too hot or too cold can heavily impact the application and outcome of a foam job, causing poor foam quality, off-ratio foam and yield loss problems. Storage and substrate temperatures can also affect the ratio and adhesion of the foam being sprayed. ICP has developed a variety of solutions to help ensure the highest quality of foam, while maximizing yield.

ColorWise™  
TEMPERATURE WARNING NOZZLES

“WHEN THE NOZZLE  
TURNS BLUE  
STOP YOUR CREW.”™

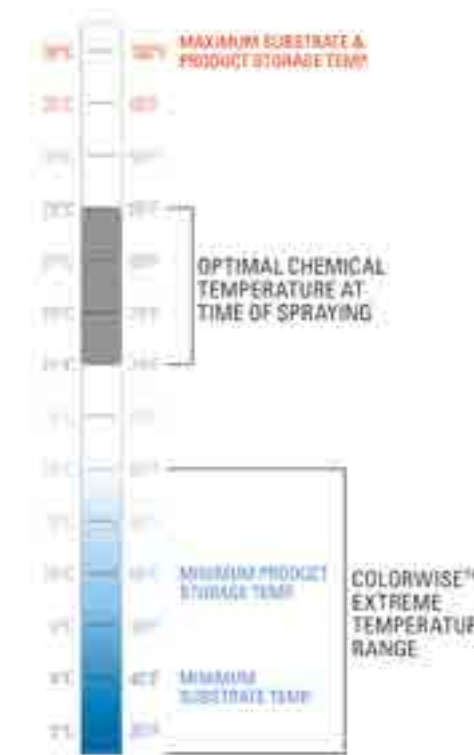


ColorWise™ Temperature Warning Nozzles change from clear to blue, indicating that the chemical has reached an extreme cold temperature [below 60°F (16°C)] and the foam should not be dispensed. Stop spraying to avoid off-ratio foam and yield loss, and properly condition the chemical before spraying again.



Designed for use with:  
**HANDI-GUN II**  
VARIABLE OUTPUT

Designed for use with:  
**HANDI-GUN**  
THE ULTIMATE WAY TO SPRAY



See TDS for product specific temperature recommendations.

## HEATING SOLUTIONS

Properly conditioning chemical temperature prior to use is critical to the ratio, yield, adhesion and appearance of the low pressure polyurethane foam. It takes three times longer to warm chemical up than it does to cool it down. Heating solution products help maintain an optimum temperature of conditioned chemicals.



**Magnum Heated System® Hose Assembly**  
(available in a variety of lengths, see Parts & Accessories pages for more information)

FEATURES	BENEFITS
Temperature Control	Optimum Foam Application
Temperature Consistency	Optimum Foam Application
Pressurized Delivery	Less Waste, Reduced Cost
Variety of Nozzles	Greater Application Control
Hose Length Availability	Greater Application Control



**Mobile Magnum™ Fitted Heat Wrap (F65221)**

FEATURES	BENEFITS
Temperature Control	Optimum Foam Application
Temperature Consistency	Optimum Foam Application
Heated Blanket	Conditioning Chemical Control



**System 17/27 Magnum Heated System® Tank Wraps (F65230)**  
**System 60/100 Magnum Heated System® Tank Wraps (F65235)**

FEATURES	BENEFITS
Temperature Control	Optimum Foam Application
Temperature Consistency	Conditioning Chemical Control



**Spray Foam Cylinder Heat Wraps (F65245)**  
(sold individually)

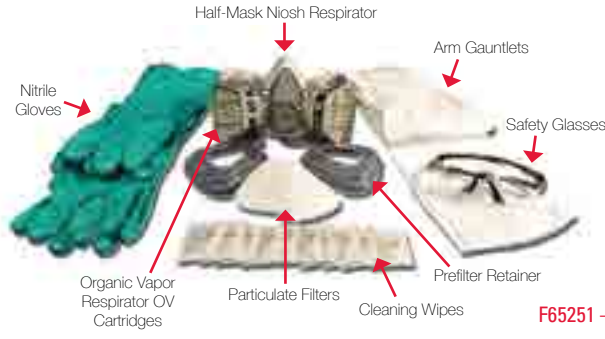
FEATURES	BENEFITS
Temperature Control	Optimum Foam Application
Temperature Consistency	Conditioning Chemical Control



# WORK SMART

Working smart is about choosing the best solution for the job and then executing the project safely. All polyurethane foam products contain diisocyanates. These chemicals may cause sensitization by inhalation and skin contact. For this reason, when using any low pressure polyurethane foam, we recommend following a safety program, including wearing proper personal protective (PPE) equipment.

Handi-brand® low pressure spray and pour-in-place polyurethane foams should always be used in conjunction with a certified respiratory program in addition to safety glasses with side shields or goggles, nitrile gloves and clothing that protects against dermal exposure. Required respirators must be NIOSH-approved and medical evaluation, fit testing and training must be provided before use.




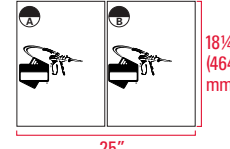

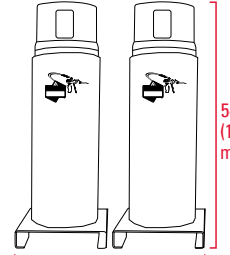
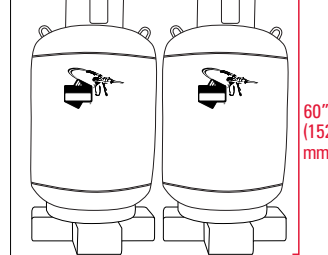


F65251 – Contractor Safety Kit

For more information regarding a certified respiratory program, visit <http://www.cdc.gov/niosh/>.

## SYSTEM SPECIFICATIONS

See below for available sizes and specifications for spray and pour-in-place polyurethane foams available from ICP. Check the specific products' TDS for detailed product weights and further product specific information, available on [www.icpadhesives.com](http://www.icpadhesives.com).

II-12 Size Disposable Kit	II-22 Size Disposable Kit	105/205 Size Disposable Kit	605 Size Disposable Kit	System 8	System 17/27	System 60/100
 10" (254 mm) 7½" (191 mm)	 13" (330 mm) 7½" (191 mm)	 16" (406 mm) 15½" (394 mm)	 18¼" (464 mm) 25" (635 mm)	 28½" (724 mm) 25" (635 mm)	 54" (1372 mm) 40" (1016 mm)	 60" (1524 mm) 62" (1575 mm)

Personal Protective Equipment (PPE) required:



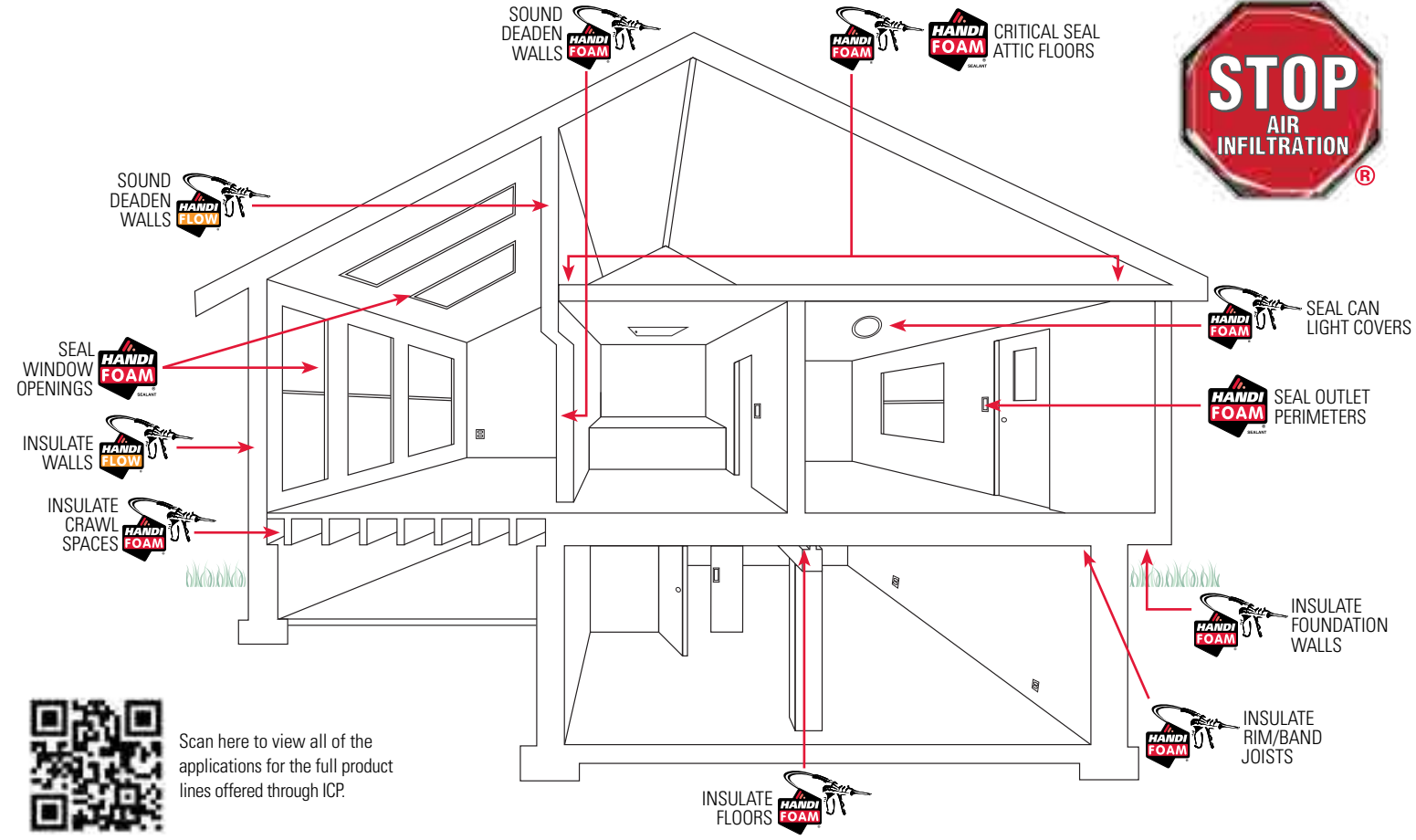
For more information, see the Product Stewardship Guidelines (A14009).

Scan here to access the Handi-brand® Product Stewardship Guidelines (A14009).



# WHAT ELSE DOES ICP ADHESIVES & SEALANTS HAVE TO OFFER?

ICP is committed to exceeding our customers' expectations and do so by offering an innovative range of high-quality, low pressure polyurethane technologies. Our offering of standard products and exclusive technologies provides energy savings, enhances structural stability and provides improvements to every job. Browse our selection of low pressure spray and pour-in-place polyurethane foams, low pressure sealants and adhesives, and low pressure polyurethane foam accessory products and solutions to find the one that best meets your application requirements.



Scan here to view all of the applications for the full product lines offered through ICP.



- Handi-Foam® Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® 40 Series Cylinder Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Extreme Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Fireblock Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Fireblock West Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Black Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Window & Door Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Foam® Window & Door West Low Pressure One-Component Polyurethane Foam Sealant (OCF)
- Handi-Stick® Architectural Foam Shapes Low Pressure One-Component Polyurethane Foam Adhesive (OCF)
- Handi-Stick® Polystyrene Construction Low Pressure One-Component Polyurethane Foam Adhesive (OCF)
- Handi-Stick® General Use Low Pressure One-Component Polyurethane Foam Adhesive (OCF)
- Handi-Stick® Subfloor Low Pressure One-Component Polyurethane Foam Adhesive (OCF)



# LOW PRESSURE POLYURETHANE FOAM PRODUCT & ACCESSORY ORDERING GUIDE

PART #	DESCRIPTION
<b>LOW PRESSURE POLYURETHANE FOAMS (SPF &amp; PIP) – DISPOSABLE KITS</b>	
P10705	HANDI-FOAM E84 CLASS 1(A) II-105
P10726	HANDI-FOAM E84 CLASS 1(A) II-205
P10762	HANDI-FOAM E84 CLASS 1(A) II-605
P10600	HANDI-FOAM QUICK CURE II-12
P10650	HANDI-FOAM QUICK CURE II-22
P10700	HANDI-FOAM QUICK CURE II-105
P10720	HANDI-FOAM QUICK CURE II-205
P10749	HANDI-FOAM QUICK CURE II-605
P10733	HANDI-FOAM COMMERCIAL VEHICLE II-205
P10756	HANDI-FOAM COMMERCIAL VEHICLE II-605
P10695	HANDI-FOAM ROOF PATCH II-75
P10725	HANDI-FOAM ROOF PATCH II-145
P10750	HANDI-FOAM ROOF PATCH II-425
P10697	HANDI-FOAM SOUND BARRIER II-250
P10714	HANDI-FOAM SOUND BARRIER II-450
P10747	HANDI-FOAM SOUND BARRIER II-1350
P10694	HANDI-FOAM LOW DENSITY II-450
P10770	HANDI-FOAM LOW DENSITY II-1350
P50001	HANDI-FLOW CHANNEL FILL 2-15
P50002	HANDI-FLOW CHANNEL FILL 2-44
P10742	HANDI-FLOW CAVITY FILL 2-14
P10766	HANDI-FLOW CAVITY FILL 2-44
P10709	HANDI-FLOW SLOW RISE 2-7
P10732	HANDI-FLOW SLOW RISE 2-13
P10750	HANDI-FLOW SLOW RISE 2-43
<b>LOW PRESSURE POLYURETHANE FOAMS (SPF &amp; PIP) – REFILLABLE SYSTEMS</b>	
P22000	HANDI-FOAM QUICK CURE SYSTEM 17
P22100	HANDI-FOAM QUICK CURE SYSTEM 27
P22500	HANDI-FOAM QUICK CURE SYSTEM 60
P22700	HANDI-FOAM QUICK CURE SYSTEM 100
P22070	HANDI-FOAM E84 CLASS 1(A) SYSTEM 17
P22270	HANDI-FOAM E84 CLASS 1(A) SYSTEM 27
P22470	HANDI-FOAM E84 CLASS 1(A) SYSTEM 60
P22670	HANDI-FOAM E84 CLASS 1(A) SYSTEM 100
P21050	HANDI-FOAM COMMERCIAL VEHICLE SYSTEM 8
P77001	HANDI-FLOW CHANNEL FILL SYSTEM 8
P22245	HANDI-FLOW SLOW RISE SYSTEM 27
P22445	HANDI-FLOW SLOW RISE SYSTEM 60
50087	HANDI-FILL WALL SEAL SYSTEM 8
<b>STARTER KITS</b>	
F65280	MAGNUM HEATED SYSTEM® STARTER KIT (INCLUDES: NITROGEN REGULATOR, 6' NITROGEN HOSE WITH COUPLING (A), 6' NITROGEN HOSE WITH COUPLING (B), 10" HANDI-GUN II HOSE ASSEMBLY, COLORWISE LONG CONE NOZZLE (25 PACK), COLORWISE FAN NOZZLE (25 PACK), & REFILL TANK PRESSURE GAUGE)
F65263	MOBILE MAGNUM™ HIGH FLOW TECHNOLOGY® STARTER KIT (INCLUDES: NITROGEN REGULATOR, A-SIDE (RED) PIGTAIL REGULATOR HOSE, B-SIDE (BLACK) PIGTAIL REGULATOR HOSE, MOBILE MAGNUM CART, COLORWISE LONG CONE NOZZLE (25 PACK), 10" (25 CM) HANDI-GUN II HOSE ASSEMBLY, REFILL TANK PRESSURE GAUGE, 6" (15 CM) EXTENSION TUBE (50 PACK), MOBILE MAGNUM FITTED HEAT WRAP, & GRAM SCALE FOR RATIO TESTING)

PART #	DESCRIPTION
<b>HANDI-GUN® NOZZLES</b>	
F66165	COLORWISE™ COMBO NOZZLE PACK (3 FAN & 5 CONE)
F66160	COLORWISE™ CONE NOZZLE (8 PACK)
F66171	COLORWISE™ CONE NOZZLE (25 PACK)
F66172	COLORWISE™ LONG CONE NOZZLE (8 PACK)
F66125	COLORWISE™ LONG CONE NOZZLE (25 PACK)
F66180	COLORWISE™ FAN NOZZLE (8 PACK)
F66191	COLORWISE™ FAN NOZZLE (25 PACK)
F66130	RATIO NOZZLE (6 PACK)
F66131	RATIO NOZZLE (60 PACK)
<b>HANDI-GUN II™ NOZZLES</b>	
F66431	COLORWISE™ FAN NOZZLE (25 PACK)
F66433	COLORWISE™ LONG CONE NOZZLE (25 PACK)
F66435	RATIO NOZZLE (6 PACK)
F66437	RATIO NOZZLE (25 PACK)
<b>MAGNUM HEATED SYSTEM® HOSE ASSEMBLIES</b>	
F66255	75' (23 M) MAGNUM HEATED SYSTEM HOSE ASSEMBLY
F66265	150' (46 M) MAGNUM HEATED SYSTEM HOSE ASSEMBLY
<b>HEATED ACCESSORIES</b>	
F65221	MOBILE MAGNUM™ FITTED HEAT WRAP
F65230	SYSTEM 17/27 MAGNUM HEATED SYSTEM® TANK WRAPS
F65235	SYSTEM 60/100 MAGNUM HEATED SYSTEM® TANK WRAPS
<b>NON-HEATED MAGNUM HOSE ASSEMBLIES</b>	
F64040	30' (9 M) MAGNUM NON-HEATED HOSE ASSEMBLY
F64050	60' (18 M) MAGNUM NON-HEATED HOSE ASSEMBLY
<b>HANDI-GUN® HOSE ASSEMBLIES</b>	
F66220	10" (25 CM) HANDI-GUN HOSE ASSEMBLY
F66200	9.5' (3 M) HANDI-GUN HOSE ASSEMBLY
F66210	15' (5 M) HANDI-GUN HOSE ASSEMBLY
F66230	25' (8 M) HANDI-GUN HOSE ASSEMBLY
<b>HANDI-GUN II™ HOSE ASSEMBLIES</b>	
F66401	10" (25 CM) HANDI-GUN II HOSE ASSEMBLY WITH HI/LO
<b>HANDI-CLEANER®</b>	
P10083	HANDI-CLEANER MULTIPURPOSE CLEANER
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE)</b>	
F65251	CONTRACTOR SAFETY KIT (INCLUDES: SAFETY GLASSES, NITRILE GLOVES (2 PAIRS), NIOSH APPROVED RESPIRATOR (ORGANIC VAPOR CARTRIDGES, DUST/MIST PREFILTERS AND 10 HYGIENIC WIPES), TYVEK® APRON & ARM GAUNTLETS)
F67001	HALF-MASK NIOSH RESPIRATOR
F67002	ORGANIC VAPOR RESPIRATOR OV CARTRIDGES (2 PACK)
F67003	501 PREFILTER RETAINER (2 PACK)
F67004	PARTICULATE FILTER (10 PACK)
F67005	SAFETY GLASSES WITH MOLDED EYE SHIELDS
F67006	NITRILE GLOVES (12 PACK) – LARGE
F67007	ALCOHOL FREE RESPIRATOR WIPES (100 PACK)
F67008	TYVEK® ARM GAUNTLETS (100 PACK)

Personal Protective Equipment (PPE) required:



For more information, see the Product Stewardship Guidelines (A14009).

Scan here to access  
the Handi-brand®  
Product Stewardship  
Guidelines (A14009).



For more information on low pressure one-component polyurethane foam sealants (OCF), view the Sealants Brochure (A17048).

For more information on the full product line offered by ICP, view the Product Guide (A17047).

For more information on low pressure one-component polyurethane foam adhesives (OCF), view the Adhesives Brochure (A17050).

## ABOUT ICP ADHESIVES & SEALANTS

ICP Adhesives and Sealants, Inc. (ICP) has been a leading manufacturer in the low pressure polyurethane foam industry since 1975. We pride ourselves on our ability to service companies large and small with the same one-on-one attention.

### INNOVATIONS THAT IMPROVE.™

As an industry leader, ICP is built on the foundation of Innovations that Improve™ through its commitment to develop products, exclusive technologies, and services that improve the overall product performance, safety and experience for our customers.



#### UNPARALLELED SERVICE

ICP provides accessible, personalized support when you need it. We have long standing relationships with our distributors and partners since 1975. Relationships that were built on trust, respect and doing right by our customers.



#### PRODUCT STEWARDSHIP

ICP is an industry leader in product and environmental stewardship. Our Work Smart program has educated thousands on the safe and proper use of low pressure polyurethane foam products. In addition, most of the Handi-brand® products carry the prestigious GREENGUARD GOLD certification signifying that our products are low emitting and contribute to healthier indoor environments.



#### EDUCATION

The proper education on the storage, use and application of low pressure polyurethane foam products is essential and we provide the tools to make it happen. From free 24-hour online training on A & S Academy to extensive product documentation and in-person training events, ICP is committed to delivering everything you need to succeed.



**ICP ADHESIVES & SEALANTS, INC.**

2775 Barber Road | Norton, Ohio 44203  
330-753-4585 | icpadhesives.com

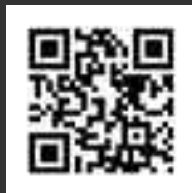
Website





2775 Barber Road | Norton, OH 44203  
330-753-4585 | [icpadhesives.com](http://icpadhesives.com)

Scan here to access the Handi-brand®  
Product Stewardship Guidelines  
(A14009).



Handi-brand® low pressure one-component polyurethane foam sealants and adhesives (OCF), low pressure spray polyurethane foams (SPF), and low pressure pour-in-place polyurethane foams (PIP) are composed of a diisocyanate, hydrofluorocarbon or hydrocarbon blowing agent, and polyol. For polyurethane foam sealants/adhesives: wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Use only in a well-ventilated area. Avoid breathing vapors. Read the SDS and instructions carefully before use ([www.icpadhesives.com](http://www.icpadhesives.com)). For spray polyurethane foams and pour-in-place polyurethane foams: wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Use only in a well-ventilated area and with certified respiratory protection or a powered air purifying respirator (PAPR). Additional information on ventilation can be found in the Handi-brand® Product Stewardship Guide ([www.icpadhesives.com](http://www.icpadhesives.com)). Read the SDS ([www.icpadhesives.com](http://www.icpadhesives.com)) and instructions carefully before use. The urethane foam produced from these ingredients will support combustion and may present a fire hazard if exposed to a fire or excessive heat about 240°F (116°C). Refer to each product's TDS for specifications, testing results, and other attributes. The customer is ultimately responsible for deciding whether products and associated TDS information are appropriate for customer's use. Refer to the products' SDS, Handi-brand® Product Stewardship Guidelines, and operating instructions for guidance on the safe and proper application of the product ([www.icpadhesives.com](http://www.icpadhesives.com)). For professional use only. Building practices unrelated to materials can lead to potential mold issues. Material suppliers cannot provide assurance that mold will not develop in any specific system.