

## HANDI-FOAM® ONE COMPONENT MODEL I-160

A multiple purpose, U.L. classified polyurethane foam designed within the guidelines of the Montreal Protocol, 1987, for protection of the ozone layer, and utilizing a non-flammable blowing agent to assist in the safety of the end-user and the environment.

### APPLICATION AREAS

Apply HANDI-FOAM® 1 component foam onto any clean surface to fill, insulate and seal around windows, door frame joints, beneath base plates, mud sills, top plate penetrations, corner joints, T-joints, exterior cracks, around utility panels, pipes, duct penetrations, etc. Specifically designed to be dispensed as a bead for filling cracks, crevices, and to fill smaller cavities on flat or irregular surfaces.

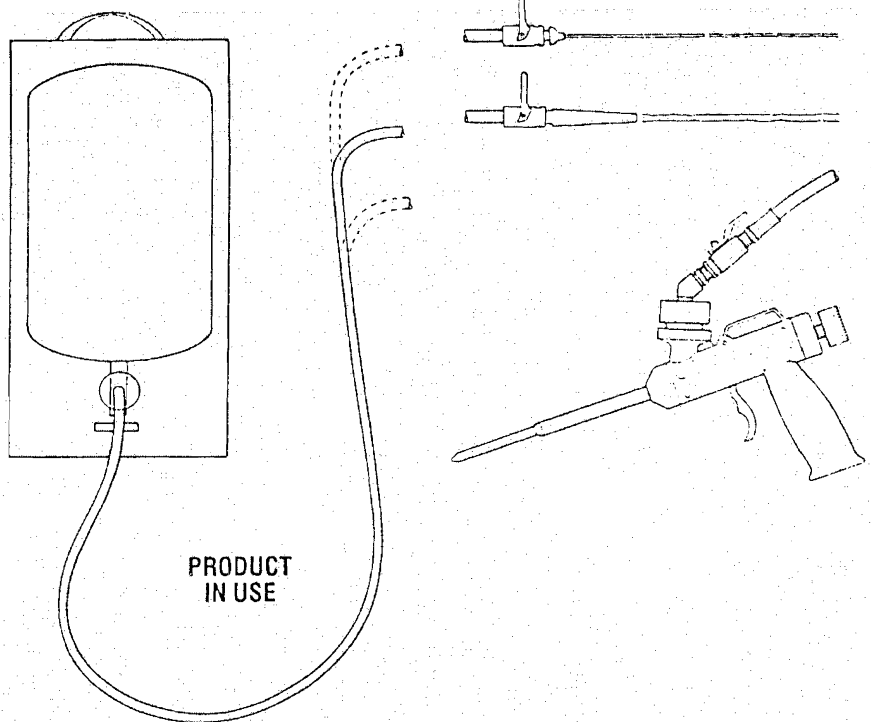
### PROPERTIES

FOMO's pre-pressurized, portable, moisture cured 1 component foam system, applied in a bead form, cures slowly upon reaction with moisture, such as ambient humidity, to a semi-rigid closed cell foam.

HANDI-FOAM® 1 component dries tack-free within 10 minutes or less depending on moisture and temperature conditions. Fully cures within 24 hours.

HANDI-FOAM® 1 component adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon®, silicone, oils and greases, mold release agents, and similar.

HANDI-FOAM® 1 component optimum application temperature is 75°F (24°C). Cured foam is resistant to heat and cold, -200°F to +200°F (-129°C to +93°C), and to aging, but not UV rays unless painted, covered or coated.



Cured foam is also chemically inert and non-reactive in approved applications.

HANDI-FOAM® 1 component system requires no outside mechanical or electrical power source and is disposable. HANDI-FOAM® 1 component systems are available in various kit sizes to meet specific job application requirements. When applied, the foam will seal, bond, insulate and protect against dust, pests, air infiltration, etc.

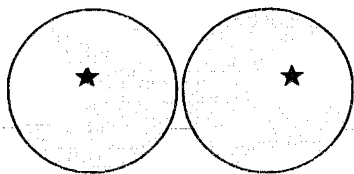
### PREPARATION

Substrate must be clean, firm, free of loose particles and free of dust, grease and mold release agents and similar. Protect surfaces not to be foamed.

Shake kits *before* using.

### APPLICATION/USE

After following instructions for set-up, kits are ready to use. The foam sealant kit I-160 is supplied complete with hose, on/off control valve (ball valve), and nozzle\*. Attach hose to tank valve through box. After opening tank valve in the down position, apply foam sealant through nozzle



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by opening on/off valve slowly. Bead size and flow rate can be controlled by on/off valve. Tank valve must be in down position during foam application. Do not remove tank from box at any time. Foam application can be interrupted when needed, as outlined in the instructions. HANDI-FOAM® 1 component is specifically designed for small bead application where minimal expansion of foam is desired. Overfilling cavities can result in prolonged curing process and insufficient air or substrate moisture during cure may cause delayed expansion.

\*HANDI-FOAM® I-160 is adaptable to use with the professional HANDI-GUN 1 component applicator. Refer to specific technical data sheet for the HANDI-GUN 1 component.

Remove fresh foam overspray with HANDI-FOAMCLEAN™ or solvents such as acetone. Cured foam can only be removed mechanically.

**Important Note:** Use only in well ventilated areas. Wear gloves, eye protection and protective clothing when using. Read all instructions and safety information (M.S.D.S.) prior to use of any product. Contains no formaldehyde. Cured foam is non-toxic.

**STORAGE**

Store in a cool, dry area. Do not expose to open flame or temperatures above 120°F (49°C). Excessive heat can cause premature aging of components resulting in a shorter shelf life. HANDI-FOAM® is reusable by following product instructions.

**AVAILABLE**

MODEL	I-160 (complete)	I-160 (w/o acc.)
Item number	P10800	P10799
Amount of cases per pallet/ amount of layers	60/2	60/2
Length/Case (inches)	8"	8"
Width/Case (inches)	7 7/8"	7 7/8"
Height/Case (inches)	16 1/4"	16 1/4"
Cubic Feet/Case(ft³)	.59	.59
Weight/Case (pounds)	16 lbs.	15 lbs.
Outside dimensions of pallet (inches)	L	48
	H	37
	W	40
	CU. FT.(ft³)	41
Total weight of pallet load without pallet (pounds)	960	900

NOTE: Physical properties shown are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions and may vary upon use, temperature and ambient conditions. Right to change physical properties as a result of technical progress is reserved. This information supersedes all previously published data.

Yields shown are optimum and will vary slightly depending on ambient conditions and particular applications. Read all product directions and safety information before use. This product is organic and therefore may constitute a fire hazard if improperly installed. Consult local building codes for specific requirements regarding the use of cellular plastics or urethane foam in construction.

**TECHNICAL DATA**

Density - ASTM D-1622	1.6 lbs./cubic ft.
R - factor (aged)	5 per inch
Closed cell content - ASTM D-2856	>70%
Tensile strength - ASTM D-1653	15 p.s.i.
Compressive strength - ASTM D-1621 Parallel @ 10%	10 - 14 p.s.i.
Tack-free time - 70°F, 40% R.H.	approx. 10 min.
Cutttable	1 hour
Cure time	12-24 hours
Yields: nominal 1/4" bead	
Model 1-160	5500 lin. ft.
Model 2-160	8400 lin. ft.

HANDI-FOAM® 1 component foam is approved by the following building codes:

- UL classified – file #R13919 caulking and sealants
- ASTM E-84 (UL723)
- Flame spread .....20
- Smoke developed .....70
- HUD minimum properties standard (sec. 507-6)
- BOCA basic energy code 1977 (sec. 301.4.3)
- ICBO uniform building code (sec. 5303 (e))
- ASHRAE 90-75 (sec. 45.4)

CONTENTS: 4,4'-Diphenylmethane Diisocyanate (MDI: CAS #101-68-8), Higher Oligomers of MDI (CAS #9016-87-9), Polyol (CAS #25791-96-2), 2,2; 2,4 Diphenylmethane Diisocyanate (CAS #26447-40-5), Hydrofluoroalkane (one or more of the following: CAS #75-45-6, CAS #75-68-3, CAS #1717-00-6, CAS #306-83-2, CAS #75-71-8).

Always read all operating, application and safety instructions before using any products from Fomo Products, Inc. Use in conformance with all local, state and federal regulations and safety requirements. Failure to strictly adhere to any recommended procedures and reasonable safety precautions shall release Fomo Products of all liability with respect to the materials or the use thereof. For additional information and location of your nearest distributor, call Fomo Products, Inc. (216) 753-4565.

**CAUTION:** Harmful if swallowed. Contains Chlorodifluoromethane (CAS#75-45-6). If swallowed, do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY. Use with adequate ventilation. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal. Avoid frequent or prolonged contact with skin or eyes, may cause frostbite. If sprayed in eyes, flush with water for 15 minutes, contact physician immediately. Do not spray directly into open flames or hot surfaces, as contents decompose and produce toxic gases. Do not puncture, incinerate, store in direct sunlight, or keep in temperatures above 120°F (50°). Do not place near source of heat or radiator as high temperatures may cause container to burst. **KEEP OUT OF REACH OF CHILDREN**

**LIMITED WARRANTY:** The Manufacturer warrants only that the product shall meet its specifications: this warranty is in lieu of all other written or unwritten, expressed or implied warranties and The Manufacturer expressly disclaims any warranty of merchantability, or fitness for a particular purpose. The buyer assumes all risks whatsoever as to the use of the material. Buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the replacement of the material. Failure to strictly adhere to any recommended procedures shall release The Manufacturer of all liability with respect to the materials or the use thereof.