




LOW PRESSURE POLYURETHANE FOAM SEALANT INFORMATION

Description	Low pressure, one-component, polyurethane foam sealant
OCF	One Component Foam available in a 16lb Cylinder
Applications	Used to fill and seal around gaps and penetrations in the building envelope to stop air infiltration. Application areas: cracks, crevices, beneath base plates, mud sills, corner joints, exterior cracks, around utility panels, pipes and duct penetrations, etc. Designed for the contractors using large amounts of foam to insulate and air seal.
Preparation for use	Substrate must be clean, dry, free of loose particles, and free of dust, grease and mold release agents.
Use	Optimal product temperature is 65-80°F (18-27°C). Open top flap of box and remove accessories and cylinder. Attach ball valve (on/off valve) in closed position onto end of hose and tighten with a wrench. USE THREAD SEALING TAPE OR LIQUID TO PREVENT LEAKAGE ON EVERY CONNECTION. Kits include two wands of different lengths. A six inch wand and a ten inch wand. Choose the size brass nozzle wand that fits your needs. If using kit with metal nozzle, install on the end of ball valve with a wrench. If using kit with optional reusable one-component dispensing unit, refer to instructions included with dispensing unit for detailed information on its use. SHAKE KIT WELL. Remove plastic valve protector from cylinder outlet, hand tighten hose fitting to cylinder. Then use a wrench to thoroughly tighten. Open cylinder valve completely (making sure ball valve is in closed position).
PPE	 <p>Recommend using only in a well-ventilated area. Wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Read all instructions and safety information prior to use. Consult the product's SDS (available at www.icpadhesives.com).</p>
Note	FOR PROFESSIONAL USE ONLY. Always check the local building code before use.
Product Storage	Store upright in a dry area. Insert nail into end of nozzle to restrict moisture from entering. For longer storage, remove nozzle and spray cleaning solvent through nozzle and around ball valve. Wrap hose end with plastic. Do not disconnect the dispensing hose. Do not remove hoses from cylinders. Do not flush/clean hoses with air, water, or solvent. Removing and/or cleaning hoses will compromise the foam. Do not expose the product to open flame or temperatures above 122°F (50°C). Excessive heat can cause premature aging of components resulting in a shorter shelf-life.
Temperature	See Chart located on page 2.
Disposal	Refer to SDS (Section 13) for instructions. Always dispose of empty cylinders in accordance with all applicable federal, state, provincial and local regulations.
Shelf-life	12 months
Compatibility	Cured low pressure polyurethane foam is chemically inert and non-reactive in approved applications, and will not harm electrical wire insulations, Romex®, rubber, PVC, polyethylene (i.e. PEX) or other plastics. The product is not resistant to UV rays; if left exposed the product should be coated or painted.

TECHNICAL DATA	STANDARD	RESULTS
Density	ASTM D1622	1.30 lbs/ft ³ (20.82 kg/m ³)
K-factor	ASTM C518	0.200 BTU·inch/ft ² ·h·°F
R-Value	ASTM C518	5.00 per Inch
Air Barrier Properties- <i>estimated</i>		
@1.57 psf (75 Pa)	ASTM E2178	<0.00028 cfm/ft ² (<0.0014 L/s/m ²)
Compressive Strength <i>Parallel to rise</i>	ASTM D1621	8.6 psi (59.29 kPa)
Dimensional Stability	ASTM D2126	+/- 5%
Tack-Free	Tack-Free	Approx. 5 minutes
Closed Cell Content	ASTM D2856	95%

TECHNICAL DATA (Continued)

Cuttable		1 hour
Fire Rating- Caulking & Sealant	ASTM E84/UL 723	Flame Spread Index 5
Tested 2 beads @ 3/4" Thickness on Inorganic Reinforced Cement Board		Smoke Developed 20

APPROVALS/STANDARDS/CLASSIFICATIONS

ASTM E84/UL 723	UL Classified File #R18615
BABAA, BAA & TAA	HandiFoam® products are proudly manufactured in compliance with the Build America, Buy America Act (BABAA), Buy American Act (BAA), and Trade Agreement Act (TAA) to deliver trusted, code-compliant performance.

TEMPERATURE

Product Storage	<122°F (50°C)
Application (Substrate)	40-100°F (4-38°C)
Chemical	65-80°F (18-27°C)
Cured Foam	-200°F to +240°F (-129°C to +116°C)

YIELD¹ (1.30 Density); Linear Feet (Meters)

	1/4" (6.3 mm)	3/8" (9.5mm)	1/2" (12.7mm)	Volume
I-260 P11042	36,108 ft (11,006 m)	16,048 ft (4891 m)	9027 ft (2751 m)	12.3 ft ³ (348 L)
P11041 (Cylinder only)				

¹ Yield is based on density. We state our core density when describing the foam. We use theoretical calculations for comparative purposes so the results will vary depending on ambient conditions and use in particular applications.

NOTE: Physical properties shown are typical and 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. Yields shown are optimum and will vary slightly depending on ambient conditions and application. This information supersedes all previously published data. The Customer is responsible for deciding whether products and associated TDS information are appropriate for customer's use.

WARNING:

ICP low pressure one-component polyurethane foam sealants and adhesives (OCF), low pressure spray polyurethane foams and foam adhesives (SPF), and low pressure pour-in-place polyurethane foams (PIP) are composed of diisocyanate, hydrofluorocarbon, hydrocarbon or hydrofluoroolefin blowing agent, and a polyol blend. 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). Read all instructions, ICP Product Stewardship Guidelines and SDS (Section 8) prior to use of any product. ICP polyurethane products are for professional use only.

Before using any OCF, SPF or PIP product, read the SDS and instructions carefully before use (www.icpadhesives.com). **OCF Products:** wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Recommend using in a well-ventilated area. Avoid breathing vapors. **SPF/PIP Products:** wear protective glasses with side shields or goggles unless using a full-face respirator, nitrile gloves, and clothing that protects against dermal exposure. Recommend dispensing product in a well-ventilated area and with certified respiratory protection or a powered air purifying respirator (PAPR); however, well ventilated exterior applications may not need respiratory protection. It is the responsibility of the employer to complete a PPE evaluation and/or exposure assessment to determine if respiratory protection is required. Personal Protective Equipment can be purchased through ICP Building Solutions Group. by ordering the Polyset® Contractor Safety Kit (F65251). The Contractor Safety Kit includes: nitrile gloves, contractor safety glasses, and a size Medium NIOSH-approved negative pressure half mask respirator.

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. 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. Product uses a non-flammable compressed gas. Keep away from heat. Smoking and open flames, including hot work, should be prohibited in the vicinity of a foaming operation. Avoid contact with skin and eyes. May cause sensitization by inhalation and/or direct skin contact. Persons previously sensitized to Isocyanates may develop a cross-sensitization reaction to other isocyanates. Avoid prolonged or repeated breathing of vapor. 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 ICP Building Solutions Group. of all liability with respect to the materials or the use thereof. For additional information and location of your nearest distributor, call ICP Building Solutions Group 330-753-4585

LIMITED WARRANTY and LIMITATION OF DAMAGES: ICP Building Solutions Group warrants only that the product shall meet ICP Building Solutions Group's specifications for the product when shipped by ICP Building Solutions Group. NO OTHER EXPRESSED OR IMPLIED WARRANTIES APPLY AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OUTSIDE THE U.S. AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. Buyer and users assume all risks of use, handling and storage of the product. Failure to strictly adhere to any recommended procedures shall release ICP Building Solutions Group from all liability. The user of the product is responsible to determine suitability of the product for the particular use. The exclusive remedy as to any breach of warranty, negligence or other claim is limited to the replacement of the product. Liability for any indirect, incidental or consequential damage or loss is specifically excluded.