

# TECHNICAL DATA SHEET



## Handi Stick® EPS Adhesive

**Handi-Stick® EPS Adhesive** is a one-component polyurethane foam adhesive specifically designed for adhering expanded and/or extruded polystyrene as a part of EIFS, roofing insulation systems, foundation insulation systems, and Insulated Concrete Forms (ICFs). The unique product properties, performance and professional application system gives Handi-Stick® EPS Adhesive many advantages over traditional trowel applied pastes, powders, and caulks. Handi-Stick® EPS Cylinder Adhesive utilizes a non-flammable, and non-ozone depleting propellant.

### Properties

The pre-pressurized, portable, one-component foam adhesive system, applied in a bead form, dries tack-free within 10 minutes or less depending on moisture and temperature conditions.

Handi-Stick® EPS Adhesive contains no VOCs, is non-ozone depleting, non-flammable, and contains no solvents.

Handi-Stick® adheres to concrete, cinder block, brick, cement board sheathing, exterior gypsum board, oriented strand board (OSB), plywood, and many other substrates.

### Limitations

Handi-Stick® EPS Adhesive adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon®, silicone, oils, greases, mold release agents, and similar materials.

Optimum chemical temperature is between 65°F and 80°F (18°C to 27°C), but may be applied in cold or hot ambient conditions, as long as the working chemical temperature range is maintained. Cured foam is dimensionally stable, and known to be resistant to temperatures ranging between -200°F to +240°F (-129°C to +115°C).

Cured Handi-Stick® EPS Adhesive is chemically inert and non-reactive.

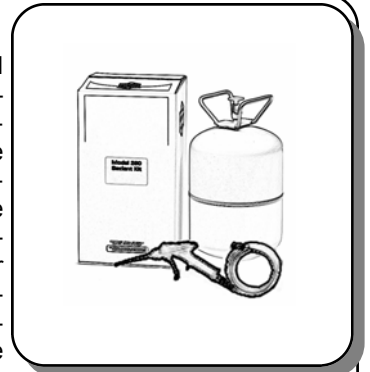
### Preparation for Use

Substrate must be clean, firm, free of loose particles, dust, grease, mold release agents and similar material. Protect surfaces not to be foamed. Read all applicable instructions for the dispensing unit and foam systems, which are included with each product, prior to any use.

Shake kits well *before* using.

### Application/Use

Read all applicable labels and operating instructions for dispensing unit and product application prior to use. Shake cylinder vigorously, approximately 15-20 times, before attaching dispensing unit according to instructions. Proper chemical temperature is important in order to maintain adequate flow and performance characteristics. As with other chemical adhesive products, colder temperatures will increase the liquid viscosity, thus reducing the flow rate. **DO NOT** heat cylinders artificially by means of localized radiators, hot plates, flame or other heat sources, as this may cause dangerous pressure build up inside the container.



**Important Note:** Use only in well ventilated areas. Wear protective gloves, protective eyewear, and suitable clothing when using. Read all instructions and safety information (MSDS) prior to use of any product. The product contains no formaldehyde. Cured foam is non-toxic. **KEEP OUT OF REACH OF CHILDREN.**

### Special Handling

Contents are under pressure. Do not puncture or incinerate. Do not place in hot water or near radiators, stoves or other sources of heat.

### Product Storage

Store in 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-Stick® EPS Adhesive is reusable by following product instructions.

**Fomo Products, Inc.**  
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## Technical Data

<b>CORE DENSITY– NOMINAL</b>	1.46 lbs/ft <sup>3</sup> ( 23.4 kg/m <sup>3</sup> )
<b>TACK-FREE TIME</b>	Approx. 5 minutes
<b>DIMENSIONAL STABILITY</b> ASTM D-2126 Heat age +158°F (70°C) Humid age +158°F (70°C), 100% RH Cold age -4°F (-20°C)	+/- 5%
<b>TENSILE STRENGTH</b> ASTM D-1623	25 psi (172 kN/m <sup>2</sup> )
<b>SHEAR STRENGTH</b> ASTM D-3498	326 lbf
<b>FULLY CURES</b> 1" bead at room conditions	12-24 hours
<b>Full Bond Time</b>	7 Days

## Approvals / Standards

Handi-Stick® EPS Adhesive is approved by the following Classifications, Codes and Standards:

Meets the requirements of DIN 4102-1 for a "B2" Building Material

ODP (Ozone Depletion Potential): Contains non-ozone depleting, non-flammable HFC propellant.

VOC Content: Contains no VOC's.

## Theoretical Yield\*

Product	Bead Size			VOLUME
	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	
23 lbs (10.4 Kg) Cylinder P40550 & P40551	46,226 ft (14098 m)	20540 ft (6265 m)	11551 ft (3523 m)	15.75 ft <sup>3</sup> (446 L)

\*Yields are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application.

**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. 1 330.753.4585 or 1 800.321.5585.

**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. This information supersedes all previously published data. Yields shown are based on theoretical calculations and will vary depending on ambient conditions and particular application. Read all product directions and safety information before use. Consult local building codes for specific requirements regarding the use of cellular plastics or urethane products in construction.

**WARNINGS:** Follow safety precautions and wear protective equipment as recommended. Consult Material Safety Data Sheet (MSDS) for specific information. Use only with adequate ventilation or certified respiratory protection. NIOSH approved positive pressure supplied air respirator is recommended if exposure guidelines may be exceeded. Contents may be very sticky and irritating to skin and eyes, therefore wear protective eyewear, impervious gloves, and suitable work clothing when operating. If liquid chemical comes in contact with skin, first wipe thoroughly with dry cloth, then rinse affected area with water. Wash with soap and water afterwards, and apply hand lotion if desired. If liquid comes in contact with eyes, immediately flush with large volume of clean water for at least 15 minutes and get medical help at once. If liquid is swallowed, get immediate medical attention. Products manufactured or produced from these chemicals are organic and, therefore, combustible. Each user of any product should carefully determine whether there is a potential fire hazard associated with such product in a specific usage. **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 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. User of this product must determine suitability for any particular purpose, including, but not limited to, structural requirements, performance specifications and application requirements prior to installation and after product is applied.



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