



## PROPERTIES

### COLOR:

Translucent Amber (Molten Gardner: 3)

### PACKAGING:

Pillows

31 Lbs. (14 kg) / Case

Zero Pack Bags (ZP): approx. 5.2 lbs./bag (2.4 kg/bag)

### DENSITY

7.8 lbs. / gallon (0.93 kg/l)

### COVERAGE RANGE

3 to 10 g/ft<sup>2</sup> (32 to 108 g/m<sup>2</sup>) depending on substrates and application requirements

### RECOMMENDED APPLICATION TEMPERATURE:

275°F – 300°F (135°C - 150°C)

### VISCOSITY (TYPICAL):

@ 250°F (121°C)	9250 cps
@ 275°F (135°C)	4700 cps
@ 300°F (149°C)	3100 cps (27/50/300)
@ 325°F (163°C)	1575 cps
@ 350°F (177°C)	1050 cps

### 180 DEGREE PEEL STRENGTH:

6.7 lbs./inch (11.7 N/cm) at 60 second / 75°F, 1 mil

### METTLER SOFTENING POINT (ASTM D 3461):

175°F – 195°F (80°C - 90°C)

### SHEAR ADHESION FAILURE TEMPERATURE (SAFT):

145°F (63°C) (500 g/in<sup>2</sup> Load)

### SURFACE BURNING CHARACTERISTICS

#### (ASTM E 84):

Flame Spread: 0

Smoke Developed: 0

Coverage Rate: 1200 ft<sup>2</sup>/gal

Applied to 1/4 inch (6.4mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied with on other substrates.

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## FOSTER 83-13HM ZP Hot Melt Adhesive

**FOSTER 83-13HM ZP Adhesive** is a high performance, pressure sensitive hot melt adhesive (PSA), for use in select insulation pipe covering and facing applications to adhere facing materials to all types of thermal insulation. It may be used with ASJ, FSK, Saran, polyester and other paper and aluminum foil laminate facings with fiberglass, PIR, PUR, phenolic, polystyrene and cellular glass insulations

**FOSTER 83-13HM ZP Adhesive** is very low odor and has excellent swirl spray or extrusion capability. It may be applied at relatively low adhesive temperatures while still maintaining a long open time when applied to either the insulation or direct to the facing\* material.

**FOSTER 83-13HM ZP Adhesive** is packaged in convenient Zero-Pack bags of adhesive pillows. The ZP bags allow for easy addition to the hot melt tank by dropping the entire bag into the melt tank or by opening and adding individual pillows.

**FOSTER 83-13HM ZP Adhesive** meets NFPA 90A and 90B 25/50 requirements.

**FOSTER 83-13HM ZP Adhesive** is 100% solids, solvent free and meets requirements for LEED 2009 IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 0 g/l, less water and exempt solvents.

### LIMITATIONS

To prevent charring keep insulation dust and other contaminants out of adhesive. Keep hot melt tank covered at all times and keep boxes of unused adhesive closed or in dust free storage.

Maintain tank, hose and tip temperature below 325° F. When adhesive will not be used for extended periods of time turn off heat or reduce temperature to below 200°F. Do not leave adhesive in tank hot overnight.

\* For best results, and to avoid wrinkling with Saran or other temperature sensitive facings, apply the adhesive directly to the insulation rather than facing.

## **SAFETY PRECAUTIONS AND INSTRUCTIONS**

To minimize the risk of burns we recommend the use of eye protection and protective clothing when working near a hot melt applicator. To minimize the risk of flammable vapors do not exceed melt temperatures above 400°F. Prevent the build-up of vapors. Extinguish all sources of ignition during hot melt use.

**For professional use only**

**Keep out of reach of children**

**Consult Safety Data Sheet for further information.**

## **CUSTOMER SERVICE: 800-832-9002**

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.