



PROPERTIES

COLOR:

Off white, dries clear.

APPLICATION CONSISTENCY:

Spray, brush, roller

AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):

8.3 lbs (1.0 kg/l)

AVERAGE NON-VOLATILE (ASTM D 2369):

60% by volume (60% by weight)

COVERAGE RANGE:

(Subject to type of service and nature of material being bonded.)

200 – 800 sq. ft²/gal (4.9 -19.6 m²/l)

BONDING TIME::

0 to 24 hours (when protected from contamination)

SERVICE TEMPERATURE LIMITS:

(Temperature at coated surface)

-40°F to 160°F (-40°C to 71°C)

WET FLAMMABILITY:

No flash to boiling, over 212°F (100°C)

SURFACE BURNING CHARACTERISTICS**(ASTM E 84):**

Flame Spread: 0

Smoke Developed: 0

Tested at coverage rate of 400 sq. ft. per gal. (9.8 m²/l).

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

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FOSTER PRESSURE SENSITIVE ADHESIVE

PRESSURE SENSITIVE ADHESIVE is a fast tacking water-base pressure sensitive adhesive used to adhere a wide variety of insulation materials to metal or other construction surfaces where immediate adhesion and high initial adhesive strength are required. It can be used either as a one-way wet or dry bond, or as a two-way contact cement. It is compatible with polystyrene foam insulation.

PRESSURE SENSITIVE ADHESIVE has good initial wet grab, and develops a permanent aggressive tack on drying. It is well suited for use as a contact adhesive when bonding two impermeable surfaces.

PRESSURE SENSITIVE ADHESIVE can be easily sprayed with either air assisted or low pressure airless spraying equipment without cobwebbing.

PRESSURE SENSITIVE ADHESIVE meets ASTM C916, Type II requirements.

PRESSURE SENSITIVE ADHESIVE can also be used for adhering difficult substrates like polyethylene film, phenolic, polyolefin, PVC or elastomeric foam.

PRESSURE SENSITIVE ADHESIVE meets requirements for LEED 2009 IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: <10 g/l, less water and exempt solvents.

PRESSURE SENSITIVE ADHESIVE contains no asbestos, lead, mercury, or mercury compounds.

LIMITATIONS

Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

Avoid repositioning the insulation after initial placement.

Allow to dry for full adhesive strength for overhead applications. Mechanical fasteners may be required.

Apply and dry bond non-porous surfaces as a two-way contact cement.

Flash rusting will occur in unprimed mild steel.

Test to ensure bond strength meets individual needs based on substrates, temperature range and static load.

APPLICATION GUIDE FOR FOSTER PRESSURE SENSITIVE ADHESIVE 85-50

MATERIAL PREPARATION

Apply only to clean, dry surfaces that are free from dust, dirt and oil.

APPLICATION

One-Way Applications

Apply a uniform coat across the surface at a coverage rate of 200-600 ft²/gal. (4.9-14.7 m²/l), using lower coverage rates for high-density insulations where higher bond strength is needed. Low-density moisture permeable insulation can be bonded immediately, or wait 15-45 minutes for full tack development. Rigid fiberglass insulation board of 3 pounds or greater density is best bonded after full tack development. Only bond impermeable surfaces after dried clear to full tack.

Two-Way Application

Apply a uniform coat across both surfaces to be bonded at a coverage rate of 400-800 ft²/gal (9.8-19.6 m²/l), using lower coverage rates for porous or irregular surfaces. Allow the adhesive film to dry clear to full tack, normally 15-45 minutes. Using firm, hard pressure press the substrates together to assure intimate contact across the entire bonding surface. Use care in placement since it will not be adjustable once contacted.

Spray-Air Atomized

Average viscosity range 1000-2000 cps. Before using for the first time, existing spray systems must be completely cleaned and free of the old adhesive and solvents. Corrosion resistant pumps and fittings are suggested.

The following equipment combinations are suggested:

	MODEL SPRAYGUN	FLUID NOZZLE	AIR CAP	FLUID PRESSURE	ATOMIZATION PRESSURE
Binks	2001SS	68	68PB	25-25 psi	60-70 psi
DeVilbiss	JGA-502	E	797	20-25 psi	60-70 psi

A 2:1 or 1:1 ratio drum pump can be used, or a pressure pot set at 35-45 pounds.

Spray Airless

Use a tip size of 0.015 up to 0.021 on an airless gun depending upon the volume desired. Pump ratios of 10:1 to 30:1 may be used.

Brush/Roller

Use clean equipment suitable for water-base paints.

CLEAN-UP

To clean up, use warm soapy water if still wet. When dry use mineral spirits (flammable), chlorinated solvents (non-flammable), or undiluted Pine-Sol cleaner.

CUSTOMER SERVICE: 833-849-3700

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