



Thermoplastic Single Ply and Multi-Ply Roofing Systems

2670 Leisz's Bridge Road, Suite 400, Leesport, PA 19533 Phone (610) 916-9500 Fax (610) 916-9501

FLEX DECK INSULATION ADHESIVE

DESCRIPTION

Flex Deck Insulation Adhesive is designed for bonding approved insulation and recovery boards to various roofing substrates. It is also ideal for re-roof applications to bond insulation and recovery boards directly to smooth, mineral cap or aggregate surfaced asphalt roofing systems.

The adhesive is applied in 3/8" to 1/2" liquid beads from cart mounted F-style cans. The adhesive may also be applied by hand in corners or for crickets and saddles in tapered insulation systems. The adhesive reacts with moisture in substrates and in the air, creating a bond that can generally be roofed over in 15 to 30 minutes. Since temperature and moisture play a role, bonding times may be longer in dry conditions or in temperatures under 55°F. Adhesive will typically be fully cured in 24 hours. The bond is very resistant to heat, water and most chemicals once it is fully cured.

The adhesive is 100% solids and contains no solvents, and as such it may be treated as non-hazardous waste, although local waste disposal regulations may vary.

PRODUCT BENEFITS

- Ease of application
- Rapid set times
- Excellent heat resistance
- Excellent strength development
- Excellent adhesion to a wide variety of substrates
- Versatile, high overall performance

TYPICAL LIQUID PROPERTIES AT 77°F

▪ Base	Polyurethane
▪ Color	Amber
▪ Solids	
▪ Weight, %	100.00
▪ Viscosity,cps	19,000
▪ Brookfield RVT Spindle No. 6 at 10 rpm	
▪ Specific Gravity	1.1512
▪ Pounds per Gallon	9.59
▪ Free NCO, %	10.00
▪ VOC's	-0-

DOT Label Required: None Required

CODE: 586-503

*Typical Values: (Based on material tested in our laboratories but variable from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.)

COVERAGE

300-400 square feet per gallon in 3/8"-1/2" beads, 12" on center. Coverage rates will vary depending on the type of deck surface and insulation used. It is also recommended that 6" on center beads be applied around the perimeter, based on FM wind uplift guidelines.

CONTAINER SIZE

1 gallon F – style cans with graduated pour spout

2.5 gallon F – style cans with graduated pour spout

STORAGE

Recommended storage temperature is 50°F to 80°F in a dry area out of direct sunlight. Cans must not be opened until time of use. Since exposure to moisture will cure the adhesive, use all product in opened containers immediately.

SHELF LIFE

6 months properly stored as instructed above.

CLEANUP

Uncured adhesive may be removed with acetone.

Cured adhesive is not easily removed.

PRECAUTIONS

- Wear protective gloves and safety glasses when handling this adhesive.
- Read and follow all guidelines in the Material Data Safety Sheet (MSDS).
- Unused adhesive in opened containers may be usable at a later date if it is still translucent, amber in color and pours freely. However, once a can is opened and exposed to moisture the remaining shelf life is unpredictable and generally very short. **It is recommended that all adhesive be used within one hour of breaking the moisture seal of the can.**
- Residual adhesive in empty cans will fully cure to an inert urethane film and cans could typically be discarded as non-hazardous, in accordance with local disposal regulations.
- Do not mix adhesive with water, as excessive foaming may result.

HANDLING

Flex Membrane International, Inc. maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedure to protect your employees and customers.

Our Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Flex Membrane International, Inc. products in your facilities.