



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

### ERS-Insulation Adhesive SF

P/N: 010-0055

For Professional Use Only



#### PRODUCT DESCRIPTION:

ERS-Insulation Adhesive SF is a cold-applied, one-part, solvent-free, asphalt/urethane insulation adhesive. It is used to bond approved insulations to base sheets, roof substrates and other approved insulations. ERS-Insulation Adhesive SF meets VOC requirements in all jurisdictions, and is ideal for projects sensitive to solvent odor or when the use of mechanical fasteners is not practical.

#### RECOMMENDED USES:

Recommended for bonding approved roof insulations to structural roof decks, base sheets, other insulation boards and smooth, asphalt built-up roof surfaces.

Acceptable insulation: Polyisocyanurate, Wood Fiber, Dens Deck, Fibrous Glass, or ERS-Recover-Board.

#### ADVANTAGES:

- No open flames, hot kettles, bitumen fumes or pungent solvent odors
- Asbestos free
- Complies with all current VOC regulations including Ozone Transport Region (OTR) states
- Rapid cure time
- Non-penetrating attachment (no damage to structural decking)
- Elastomeric

#### ORDERING INFORMATION:

ERS-Insulation Adhesive SF is available in 5-gallon pails. Color is black.

#### SHELF LIFE:

Six (6) months from date of shipment when stored in unopened, original container.

#### COVERAGE:

Can be applied directly from the can at 1.5 gal/sq. to either substrate or insulation board in  $\frac{1}{2}$ " –  $\frac{3}{4}$ " diameter beads. Four (4)  $\frac{1}{2}$ " or  $\frac{3}{4}$ " diameter beads is optimum per 4' x 4' board. Coverage rates may be slightly higher on irregular surfaces. Increase coverage rate in the perimeter and corner areas by applying additional ribbons to the substrate.

#### LIMITATIONS:

- Do not apply when ambient temperature is below 45°F. For ease of application, maintain a material temperature at greater than 70°F.
- Do not use damaged insulation boards (e.g. warped, curled, broken, etc.). Insulation boards must lay flat on the roof surface.
- Bonding surface must be even to ensure positive contact with the insulation board.
- Do not use with extruded polystyrene, expanded polystyrene, phenolic or cellular glass insulation.
- Do not adhere directly to wood, poured-in-place gypsum or lightweight concrete decks.
- Do not apply to wet surfaces.
- Insulation boards should not be larger than 4' x 4'.
- Do not apply to all substrates without a primer.
- Care must be taken to ensure that product vapors do not enter ventilation systems.

**PRODUCT STORAGE:**

Keep product in range of 70°F.

**SURFACE PREPARATION:**

Substrate surface must be clean, dry, free of oil, dirt, dust, debris and other contaminants that may result in an unacceptable bonding surface.

**PRODUCT PREPARATION:**

No mixing is required. If a skin is formed on the product, remove and use material.

**COLD WEATHER APPLICATION:**

On the jobsite, it is highly recommended to use warming devices that use circulating oil to heat solvent-based liquid roofing materials for easier spray application. Wait until afternoon on a sunny day. This will enable the roof to warm up as much as possible. The surface must be dry before applying coatings. Solvent-based, asphaltic coatings are best applied at a minimum ambient temperature of 40°F and rising. Water-based and coal tar coatings require a minimum ambient application temperature of 50°F and rising.

**PRIMING:**

All substrates must be primed with ERS-301 and allowed to dry thoroughly. When applying multiple layers of insulation, the previous insulation course does not require priming.

**PRODUCT APPLICATION:**

Apply ERS-Insulation Adhesive SF to the insulation or substrate using a ribbon pattern of ½" – ¾" diameter 12" o.c. Immediately place insulation board into wet adhesive. Step board in. Do not allow adhesive to skin. Stagger joints of insulation layers as specified.

**CLEANUP:**

Use xylene.

**PHYSICAL PROPERTIES:**

Property	Typical Value	Test Method
Asbestos Content	0%	EPA 600/R-93/116
Uniformity	Pass	ASTM D 4479
Elongation	185%	ASTM D 2370
Solids by Weight	98.5%	ASTM D 4479
Density	10.3 lbs/gal.	ASTM D 1475
Viscosity	20,000 – 35,000 cps	ASTM D 2196
Flash Point	300°F minimum	ASTM D 93
VOC	N 12 g/l	ASTM D 6511

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