

INSULTAC II

Insulation Adhesive

DESCRIPTION & USE

Lexcor Insultac II™ is a two part, urethane based, low rise foaming adhesive specifically designed for the attachment of approved rigid board insulations and roofing membranes to themselves or approved roof decks. Applied in a liquid form, the product will begin to set within minutes, transforming into a low rise adhesive foam that will fill minor voids and surface irregularities.

Insultac II is supplied in a specially designed container that assures proper mixing every time. As a catalyst containing two component product, Insultac II provides faster foam rise and a more weather insensitive cure time over traditional single component adhesives.

FEATURES & BENEFITS

Compared to Mechanically Fastening

- No damage or weakening of the structural deck.
- Eliminates problems with fastener back-out or corrosion.
- No noise associated with drilling.
- No unsightly fasteners showing through the underside of exposed decks.

Compared to Other Types of Adhesives

- No mixing required.
- Faster cure time.
- No application temperature restrictions.
- Suitable for all climates.
- Quick and easy to apply.
- Low Odour.
- VOC Free.
- No flame hazard.
- Elastomeric - Insultac II remains flexible and absorbs stresses.
- Solvent free.
- 100% Solids.

TECHNICAL DATA

Property	Test Method	Physical Properties
Colour		Amber
Tensile Strength	ASTM D412-92	17.6 kg/cm ² (250 psi)
Density	ASTM D1875-90	1.0 kg / l (8.5 lb / gal.)
Viscosity	ASTM D2556-93a	22,000 - 60,000 cp
Peel Strength	ASTM D903	3.0 kg/cm (17 lb / in.)
Flexibility	ASTM D816-82	Pass @ -56 °C

Open Time: 2 to 8 minutes

Approved Insulations

Insultac II Adhesive can be used to bond the following insulation types to approved substrates:

- High Density Fibreboard
- Isocyanurate
- Perlite - minimum 3/4" (19 mm)
- Polystyrene (Expanded or Extruded)
- Gypsum Board
- Asphaltic Coverboards

Approved Substrates

- Structural roof decking: concrete, gypsum, cementitious wood fiber (tectum), lightweight insulating concrete, wood or steel.
- Modified Bitumen membranes and base sheets (sanded or granule surfaced).
- Approved insulations (multi-layer applications).
- Smooth or gravel surface built-up roofs (re-roof applications).

For a complete list of approved substrates and insulation types, or for additional information, contact our Technical Department.

Limitations

- Do not apply Insultac II to a wet surface.
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface.
- When applying Insultac II Adhesive over a smooth or sanded APP roof surface, the use of Surface Treatment may be required.
- Usage with PVC will alter the colour of the membrane i.e. a white membrane will turn yellow.

continued on back

Visit our video channels: <https://vimeo.com/channels/lexcoren>

COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada
1.800.268.2889

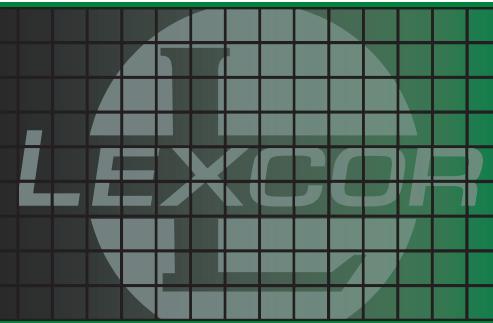


Quebec & Eastern Canada
1.800.363.2307

lexcor.net

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Packaging and Coverage

4x1500 ml Cartridges / Case (55.7m (600sq.ft.) / Case)

Coverage estimates indicate total area of insulation attachment per case. Rates are based on an application pattern of 4 ribbons, 6 mm to 13 mm (1/4" - 1/2") wide, on 30 cm (12") centres per 1.2 m x 1.2 m (4' x 4') insulation board. Coverage rates may vary when used over irregular surfaces.

Equipment

The following application equipment is available for apply Insultac II.

- Battery Powered Multi-Bead Plus Applicator
- Battery Powered Multi-Bead Applicator
- Battery Powered Single Bead Applicator
- Pneumatic Single Bead Applicator
- Ultra Drive Manual Applicator
- Heavy Duty Manual Applicator

Storage

Keep temperature of contents between 18°C and 29°C (65°F to 84°F) 24 hours prior to use. Do not store in direct sunlight or at temperatures 32°C (90°F) and higher.

APPLICATION

SURFACE PREPARATION: All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or uneven. For re-cover applications, apply Primer or Surface Treatment to all substances prior to the application of Insultac II Adhesive.

1. With a utility knife, remove the molded tips at the groove from the InsulTac II Mixing Head.
2. Attach an Insultac II Mixing Tip to the threaded mixing head.
3. Place the cartridge into the appropriate Applicator.
4. Apply Insultac II Adhesive directly to the substrate using a ribbon pattern. Space parallel 6 mm to 13 mm (1/4" - 1/2") diameter beads on 30 cm (12") centres in field, 6" centres at perimeters, 4" centres at corners to achieve proper coverage rates for insulation attachment. As Insultac II Adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate.
5. Unused material can be applied at a later date by simply plugging the cartridges (with provided half- moon plugs) and using a new Insultac II Mixing Tip.

SAMPLE SPECIFICATION

Maximum 122 cm x 122 cm (4' x 4') insulation panels shall be adhered to [the deck; adjacent layers] with Insultac II Insulation Adhesive, a solvent free, dual component, elastomeric, low rise urethane adhesive. Adhesive shall be applied in parallel 13 mm diameter ribbons on 30 cm centres in strict accordance with the manufacturers installation instructions.

SAMPLE SPECIFICATION

Lexcor guarantees this product to be free of manufactured defects for the shelf life period of 12 months from date of manufacture. All claims must be made in writing within 12 months of the original purchase. Project specific warranties are available. Contact Lexcor for more information.

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