

# 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

**Quick and easy application** - results in significant labour savings for the contractor.

**Replaces fasteners** - minimizes penetrations and deck corrosion.

**Replaces fastener plates** - reduces thermal bridging maintaining the insulation integrity

**Elastomeric** - remains flexible and absorbs stresses.

**Solvent free** - no odour and essentially VOC free.

**Low rise foam** - accommodates minor surface irregularities.

**Suitable for use in both Summer and Winter** - Eliminates end-of-season overstocks on summer or winter grade material preventing the need to pay costly restocking-fees.

## TECHNICAL DATA

Property	Test Method	Physical Properties
Colour		Amber
Tensile Strength	ASTM D4712-92	17.6 kg/cm <sup>2</sup> (250 psi)
Density	ASTM D1875-90	1.0 kg / L (8.5 lbs/ gal)
Viscosity	ASTM D2556-93a	22.000 - 60.000 cp
Peel Strength	ASTM D903	3.0 kg/cm (17 lbs/in.)
Flexibility	ASTM D806-82	Pass @ -56°C
Open Time		2 to 8 minutes



## APPROVALS & COMPLIANCES

TESTED  
ACCORDING TO  
**CSA A123.21**  
STANDARD



This product is eligible within various CSA 123 compositions.

## PACKAGING

4 x 1500 ml cartridges [55.7 m(600 sq.ft.)] per case \*

## COVERAGE

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" to 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.

## SHELF LIFE

18 months from date of manufacture.

## 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.

### COMMERCIAL BUILDING PRODUCTS

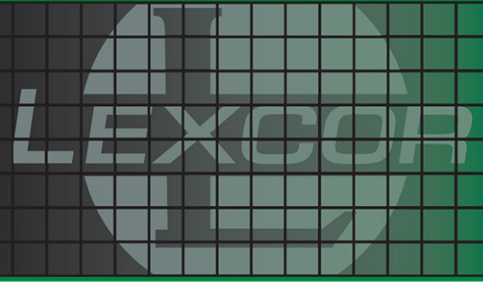
Ontario & Western Canada  
1.800.268.2889



Quebec & Atlantic Canada  
1.800.363.2307

# INSULTAC II

## INSULATION ADHESIVE



### PRODUCT COMPATIBILITY

#### Approved Insulations

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

- High Density Fibreboard.
- Isocyanurate.
- Perlite - minimum 19 mm (3/4").
- 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.

### APPLICATION

#### Equipment

The following application equipment is available to apply Insultac II.

- Insultac BP (Battery Powered) Single Bead Applicator.
- Insultac MP (Manual Powered) Applicators.
- Battery Powered Multi-Bead Plus Applicator.
- Battery Powered Multi-Bead Applicator.
- Pneumatic Single Bead Applicator.

**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 an 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" to 1/2") diameter beads on 30 cm (12") centres in field, 152 mm (6") centres at perimeters, 102 mm (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.

### CAUTIONS & 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.

### 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 6 mm to 13 mm (1/4" to 1/2") diameter beads on 30 cm (12") centres in field, 152 mm (6") centres at perimeters, 102 mm (4") centres at corners, in strict accordance with the manufacturers installation instructions.

### WARRANTY

Lexcor guarantees this product to be free of manufactured defects for the shelf life period of 18 months from date of manufacture. All claims must be made in writing within 18 months of the original purchase. Project specific warranties are available. Contact Lexcor for more information.