

**1. PRODUCT NAME**

**NC275 LRRRA**  
Low Rise Roofing Adhesive

**2. SUPPLIED BY**

**NATIONAL COATINGS CORP.**  
1201 Calle Suerte  
Camarillo, CA 93012  
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**3. PRODUCT DESCRIPTION**

**NC275 LRRRA** is a *low viscosity, all water-blown, spray applied* polyurethane adhesive with high bonding strength and a large temperature application range to be used for the attachment of rigid insulation boards to various substrates.

**NC275 LRRRA** may be used in conjunction with dry, clean: Fiberboard, Rigid Insulation Board, Concrete, Sheetrock-Type Gypsum Boards, Wood Fiber, Wood, Painted or Galvanized Steel, Smooth or Gravel BUR, Mineral Capsheets, Smooth or Granulated Modified Bitumen, Structural or Lightweight Concrete, Spray Polyurethane Foam (SPF) and Dens-Deck.

**4. TECHNICAL DATA**

See table below

**5. INSTALLATION**

For application details see specific Installation Guide Specifications.

**6. AVAILABILITY AND COST**

**NC275 LRRRA** may be purchased directly from National Coatings Corporation. For information call 800-423-9557.

**7. TECHNICAL SERVICES**

Additional information, product brochures, and installation guide specifications are available from National Coatings Corporation.

**8. FILING SERVICES**

Additional product information is available from National Coatings Corporation.

**Typical Reactivity's (in seconds) – NC275-LRRRA**

Target Temperature	40°F	60°F	80°F	100°F	120°F	140°F
Initial Rise	14	10	6	4	2	2
Gel	120	75	30	20	15	10
Tack Free	240	200	160	110	90	80
Insulation Placement	150 – 220	100 – 180	60 – 140	30 – 90	20 – 80	15 - 60

**Typical Physical Properties and Characteristics**

Properties	NC275 LRRRA "A" Component	NC275 LRRRA "B" Component
Viscosity @ 70°F,cPs	250	240
Weight Per Gallon	10.25 lbs./gal	8.8 lbs./gal
Mixing Ration		
% By Weight	53.8	46.2
% By Volume	50	50
Specific Gravity (lbs)	1.23	1.055



## Application Instructions

- Prior to applying the **NC275 LRRA** the surface to which the adhesive is being applied must be inspected to ensure that it is clean, dry and free of any sharp edges or irregular surfaces which could interfere with the placement and complete contact of material being installed. The surface should be clean, and free of any moisture or loose materials.
- When applying the **NC275 LRRA** over existing insulation, all wet materials must be removed and remaining moisture dried before the application. When applying over pre-existing SPF, the substrate should be scarfed or primed depending on the coating used. When applied over new SPF, the adhesive may be applied directly to the foam surface.
- Once the deck has been inspected and prepared, the **NC275 LRRA** should be applied to obtain complete coverage, with the resulting adhesive layer attaining a final thickness of 1/4 to 3/8 of an inch. An optional bead application can be used with a special bead style applicator wand. The adhesive should be applied in 3 inch ribbons, at least 12 inches on center, which will result in approximately 70% coverage after cured.
- The adhesive should be allowed to begin to rise before placing the material to be adhered over the adhesive. A short period of time must be allowed for the adhesive to begin to gel before walking the board into place. Attempting to place the board and walk it into place before the adhesive has gelled may result in difficulty keeping the board in place and a poor bond due to the adhesive being forced out from under the board. This may result in an insufficient amount of adhesive for proper bonding.