

# Insulthane® 300R Closed-Cell Roofing Foam

## Product Description

Insulthane® 300R is a closed cell, 2.9 lb/ft<sup>3</sup> density, two-component rigid polyurethane spray foam. 300R is designed as a roofing system that provides superior insulation value. 300R creates a light-weight, seamless, watertight barrier when combined with an elastomeric roof coating.

## Recommended Applications

- Roofing applications (new and retrofit)
- Tank applications
- Exterior vertical applications

## Chemical Storage

Store in a dry location between 10-32°C (50-90°F). Keep drums tightly sealed when not in use. Drums must be stored out of direct sunlight.

## Application Information

Surfaces must be clean, dry and free of all dirt and contaminants. Humidity should be < 85% RH. The substrate temperature must be greater than 3°C (5°F) above the dew point. Application of material should be no less than 13 mm (0.5 in) and no greater than 38 mm (1.5 in) in a single pass. Allow the core temperature of the foam to cool below 37°C (100°F) before the application of additional passes.

Foam should be applied to full thickness in any given area within the same day. Passes of less than 13 mm (0.5 in) may be required to taper the foam for drainage and achieve acceptable surface finish. The final surface must have a protective coating applied within the same day, or within 24 hours of application to protect the surface of the foam from degradation. Before application, material must be tested on-site to determine the curing, reactivity and performance of the material under site conditions.

It is up to the applicator/contractor to determine the suitability and performance of the material for the project. Other preparation techniques or application information may be required for unique/specialized projects. Contact an Elastochem Technical Representative for more information.

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## Typical Properties

Attribute	Test	Results
R Value	ASTM C518	6.57 @ 1 inch
Compressive Strength	ASTM D1621	41 psi
Core Density	ASTM D1622	2.9 lb/ft <sup>3</sup> (nominal)
Closed Cell Content	ASTM D2856	>90%

## Liquid Component Properties

Attribute	Isocyanate	Resin
Colour	Brown	Amber
Viscosity	250 cps	700-1000 cps
Specific Gravity	1.24	1.20
Shelf Life	12 months	6 months
Storage Temperature	50-90°F (10-32°C)	50-90°F (10-32°C)

## Processing Parameters

Attribute	Parameter
Pre-Heater Temperature	"A" and "B" 120-135°F (49-57°C)
Hose Temperature	"A" and "B" 120-135°F (49-57°C)
Pressures	1000-1500 psi (dynamic)*
Mix Ratio Parts	1 to 1 by volume "A" to "B"

## Product Reactivity

Processing Designation	Surface Temperature
Fast	60-70°F (15-21°C)
Standard	>70°F (21°C)



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