
PRODUCT DESCRIPTION

The Waterproofing Membrane is a 40 mil self-adhesive, SBS modified bitumen membrane with a tri-laminated woven polyethylene facer. Designed for below-grade dampproofing and waterproofing applications. It provides a reliable moisture barrier for Nudura Insulated Concrete Form (ICF) buildings. A silicone release paper protects the adhesive side until application.



BASIC USES

This Waterproofing Membrane is specifically designed for use over Insulated Concrete Form (ICF) structures for below-grade dampproofing and waterproofing applications, suitable for below-grade residential and light commercial construction. It is an effective solution for enhancing moisture protection in basements.

FEATURES & BENEFITS

- Provides an uniform and consistent coverage due to its preset thickness.
- Ensures strong adhesion to ICF's, preventing moisture infiltration.
- Primerless application for dampproofing over ICF.
- Compatible with Nudura Membrane Primer for waterproofing applications.
- Available in summer and winter grades to accommodate varying climate conditions.

AVAILABILITY

Available in both summer and winter grades to suit environmental conditions. Nudura's Waterproofing Membrane is available from your local Nudura distributor. For Distributor locations, visit <https://www.nudura.com/>

PACKAGING

- Quantity: 1 Roll
- Roll Length: 36" (914 mm)
- Roll Width: 8" (203 mm)
- Roll Weight: 44 lbs (20 kg)

APPLICATION

Dampproofing and Waterproofing application requirements may differ depending upon country or local region. In general, the membrane is required to be installed as part of a "waterproofing membrane system" when hydrostatic pressure is a risk. Always consult prevailing Building code and municipal by-law requirements to determine whether Dampproofing or Waterproofing is necessary for your project.

- **Dampproofing Application:** (See CCMC Evaluation Report No. 14093-R** for Dampproofing)
 - Membrane primer is not required unless specific conditions call for the use of primer, such as dusty work sites.
- **Waterproofing Application:** (See CCMC Evaluation Report No. 14095-R** for Waterproofing)
 - The entire ICF surface designated for membrane installation must be primed with the Nudura Membrane Primer.

The Canadian Construction Materials Centre (CCMC) Evaluation Reports are applicable to Canada only. However, information listed may serve as best building practices outside of Canada. The Installer is responsible for determining the specific requirements for Waterproofing applications in their region.

INSTALLATION

Ensure the surface is smooth, clean, dry and free from dust or debris. If the EPS foam surface has been exposed to sunlight for an extended period, remove any yellow dust coating before application.

Install the membrane vertically onto the wall surface with a 3" (76 mm) overlap as per the markings on the edges of the membrane. In special applications where the membrane must be installed horizontally, the overlap will need to be 6" (152 mm).

For complete installation instructions please refer to the technical bulletins section at Nudura's web site at www.nudura.com.

STORAGE

- Store the rolls upright in a cool, dry location, away from direct sunlight and extreme temperatures.
- Keep rolls covered with a tarp to prevent exposure before installation.

PROPERTIES

Properties	Standard	Result
Thickness	-	40 mil (1.0 mm)
Dimensions	-	75 ft x 36 in (22.9 m x 091 m)
Gross/Net coverage per roll	-	225 ft ² / 206 ft ² (20.8 m ² / 19.1 m ²)
Roll Weight	-	44 lbs (20 kg)
Top Face	-	Polyethylene Woven Complex
Under Face	-	Silicone Release Paper
Rolls per Skid	-	36 Rolls
Tensile Strength, MD/XD	ASTM D5147	64 / 88 lbs/in (11.3 / 15.4 kN/m)
Ultimate Elongation, MD/XD	ASTM D5147	52 / 24%
Flexibility at Cold Temperature	ASTM D5147	-22°F (-30°C)
Static Puncture	ASTM D5602	90 lbs (400 N)

Properties	Standard	Result
Tear Resistance, MD/XD	ASTM D1876	85 / 90 lbs (375 / 400 N)
Lap Adhesion	ASTM D1876	11.4 lbs/in (2000 N/m)
Peel Resistance	ASTM D903	17.5 lbs/in (3050 N/m)
Water Absorption	ASTM D5147	<0.1%
Water Vapor Permeance	ASTM E96 (Procedure B)	<0.016 perm (<0.90 ng/Pa.s.m ²)
Termite Resistance	Trinity/ERD Report #S10030SC.04.08	Pass
* All Values are Nominal		

Membrane Grade	Application Temperatures	Service Temperatures
Summer Grade	50°F to 122°F (10°C to 50°C)	-49°F to 158°F
Winter Grade	14°F to 104°F (-10°C to 40°C)	(-45°C to 70°C)

ESTIMATING

To estimate the number of rolls of Nudura Waterproof Membrane (WPROF) required for a specific project begin by determining the linear footage (linear meters) of the perimeter of the structure. Multiply the perimeter length by the height of membrane required on the wall. The finished height of the membrane is recommended to stop 4" (102 mm) to 6" (152 mm) below finished grade level. The height should also include the footing/slab projecting distance, as well as 2" (51mm) down the face of the footing/slab. Divide the calculated wall area by 206 ft² (19.14 m²).

Additional membrane should be included for inside and outside corners, sealing around penetrations, and any other area below grade requiring additional membrane.

Imperial Calculation

WPROF= (LFPER x (height of membrane + footing/slab projection + 2")) ÷ 206 ft²

Metric calculation

WPROF= (LMPER x (height of membrane + footing/slab projection + 51 mm)) ÷ 19.14 m²

Please refer to our website at www.nudura.com for the most up-to-date Product Data Sheets.

NOTE: All Nudura Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

WM-DS/0225

WARRANTY

A repair or replacement warranty is available on Tremco products. Visit [Warranty | Tremco Sealants](#) for details.

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.