Nudura
WATERPROOFING MEMBRANE

PRODUCT INFORMATION SHEET

Product Code

Summer Grade NUS-AWPRF-00
Winter Grade NUS-AWPRF-02

Product Description

Nudura Waterproofing Membrane is a self-adhesive waterproofing membrane specifically designed for below grade dampproofing or waterproofing of Nudura ICF buildings. The membrane is composed of SBS modified bitumen with a tri-laminated woven polyethylene facer. A silicone release paper protects the adhesive side of the membrane.

Basic Uses

Nudura's membrane is designed specifically for use over ICF structures for below grade dampproofing or waterproofing applications.

Application

Ensure the wall surface is smooth, clean, dry, free from dust, dirt and any other impurities that could be present on the wall surface. If the EPS foam surface has been exposed to sunlight for extended periods of time, the resulting yellow dust coating must be fully removed.

- **Dampproofing Application*** (See CCMC Evaluation Report No. 14093-R** for Damppoofing)
  - When the NUDURA Waterproofing Membrane is used in a dampproofing application membrane primer is not required. However, if specific conditions call for the use of primer, such as dusty work sites, Nudura recommends using Nudura Membrane Primer.
- **Waterproofing Application*** (See CCMC Evaluation Report No. 14095-R** for Waterproofing)
  - When the NUDURA Waterproofing Membrane is used in a waterproofing application, the full ICF surface that is designated for membrane installation must be primed with the Nudura Membrane Primer.

*Dampproofing and Waterproofing Application requirements may differ depending upon country or local region. Generally, the membrane is required to be installed as part of a "waterproofing membrane system" whenever hydrostatic pressure is a risk on the building site. Consult prevailing Building Code and municipal by-law requirements for your building site for definitions for Dampproofing versus Waterproofing.

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**The Canadian Construction Materials Centre (CCMC) Evaluation Reports are applicable to Canada only. However, information listed in the reports may be considered better building practice for Waterproofing Applications outside of Canada. The Installer is responsible for determining the specific requirements for Waterproofing Applications in their region.

Installation

NUDURA Waterproofing Membrane must be installed vertically onto the wall surface. When installing the membrane on the wall vertically, the overlap needs to be 3” (76 mm) 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 membrane rolls upright (standing vertically) in a cool, dry location (not in direct contact with the ground) and protect with a tarp to prevent exposure to direct sunlight until the membrane is ready to be used.

Packaging

Each roll of Nudura Waterproof Membrane is securely held together with a self-adhesive band.
Roll Length: 36” (914 mm)
Roll Width: 8” (203 mm)
Roll Weight: 44 lbs (20 kg)

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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 ft² / 206 ft² (20.8 m² / 19.1 m²)
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)
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.m²)
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 (-45°C to 70°C)
Winter Grade	14°F to 104°F (-10°C to 40°C)	

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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

Warranty

This product is sold subject to a 5-year material warranty. Please refer to the Nudura Installation Manual or contact Nudura for further information.

Watch our accessory videos on Nudura’s YouTube Channel

This information is offered in good faith based on data available to us that we believe to be true and accurate. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. The information provided herein, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. The manufacturer, supplier, nor any of its subsidiaries assumes any liability whatsoever for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices.

Nudura Inc., June 2020