WATERPROOFING* MEMBRANE

*: Waterproofing is referred to as "Dampproofing" in Canada

SUPERIOR PERFORMANCE

- NUDURA® brand Waterproofing Membrane is a peel and stick membrane that adheres to NUDURA® expanded polystyrene (EPS) foam.
- The membrane satisfies damp proofing and water proofing requirements for all building codes in North America.
- A 3" (76mm) wide hand roller is available and recommended to ensure that the adhesive side of the membrane is fully and properly affixed to the foam. NUDURA® makes available both summer and winter grade membrane as seasonal temperatures dictate. Be sure you qualify with your distributor which grade you require at time of ordering.

DELIVERY AND SITE CONSIDERATIONS

- Care should be taken to protect the material on site from moisture, dust and general wear and tear. Store rolls in a cool, dry location, not in direct ground contact and protect with a tarp to prevent exposure until ready to use.
- Working temperature range should ideally be between 35ºF and 100ºF (2ºC and 38º C) Note: if below this range or other special conditions such as air borne dust exist on site, consider using an adhesion primer **available from your NUDURA® distributor**. To maximize primerless adhesion on colder days, store the material in a heated location on site until needed. (A heat gun can also be used to assist in application).
- NUDURA® waterproofing Membrane should not be exposed to sunlight for extended periods of time. Backfilling should take place within 1 week of installing the membrane. If daytime temperature exceeds 80ºF (27ºC) after installation, NUDURA® recommends shading the applied membrane temporarily until backfilling is completed.

SITE PREPARATION

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

NOTE:

Installation works most efficiently with a 2 person work crew - one handling the material from each side. The most efficient method of installation (as described in this bulletin) is vertical application of the sheets with 2" (51mm) overlaps at the sides of the material. If horizontal application of the material is preferred or required in some locations, be sure to work from the bottom of the wall to the top and lap material a minimum of 6" (152mm) in shingle fashion so that water is shed downward and OVER the layer below.

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INSTALLATION INSTRUCTIONS

1 Establish the finished grade around the entire perimeter of the building using a chalk line and/or marker.

2 Begin material installation by first cutting strips of membrane 16" (406mm) to 24" (610mm) wide. These will be used to pre-seal all inside and outside corner conditions. Fold strips in half vertically.

3 At each inside corner, starting at the footing level, peel release paper away and apply the strips in a shingle like fashion from the base to the top of the corner, installing the strips vertically so that an equal amount of material is applied to either side of the corner. Take care to press the fold tightly into the corner so that no air pockets are trapped behind - then press or roll the membrane flat to the wall surfaces on either side using a plastic roller as necessary. Each strip of material should lap the strip below it by 6" (152mm) Continue application and lapping of the strips to the grade line and trim the membrane above it.

4 Select an outside corner for the start of full membrane installation and measure the distance from the chalked grade line to the top of the footing. For sloping grade lines, measure to longest side of the membrane.

5 Roll out the membrane on a flat surface, then mark and cut it to the required length.

6 Peel back the silicone release paper a distance of about 1' (305mm) from the top edge of the cut edge of the membrane.

7 Align the top edge of the membrane with the chalk line so that one side of the membrane extends past the corner by approx. 4" to 5" (102mm -127mm). (For sloping grade lines, lightly tack the portion of membrane above the chalk line and trim back to chalk line after rest of membrane is secured in place). Use the score lines in the form face as guides to keep the membrane vertical while installing.

8 While keeping the extended side of the membrane in plane with the starting wall, firmly press it into place onto the face of the EPS foam. Use the plastic roller to roll the membrane from the center out to the edges to prevent any air bubbles from getting trapped.

9 Continue down the surface of the wall by further peeling back the release paper and pressing and/or rolling the membrane into position as outlined in step 8. Repeat process down the length of the wall to the footing.

10 Now press the free 4" to 5" (102mm-127mm) side of the material into place down the opposing wall from the corner condition following procedure outlined in step 8.

11 For service or utility penetrations that project outward through the wall: (a) Cut a 12" x 12" (305mm x 305mm) piece of membrane- then use the pipe as a template to cut 2 cross cut slits at the center of the piece just short of the full pipe diameter. (b) Peel the backing paper away and slide the piece into place over the projecting pipe penetrating it through the center of the slits. (c) Press the membrane piece firmly into place, sealing the flaps against the pipe. (d) Apply the standard sheet membrane (cut to required length), following the same procedures as outlined in step 8, except at the pipe location - peel back the paper clear of the pipe, lower membrane to pipe and cut a cross slit right over pipe and seal around, then continue the installation procedure

12 Should the service penetration be flush with the wall, mark this opening to allow the following sub trade the opportunity to use it.

13 For sites with coarse backfill or risk of sharp edged aggregates, NUDURA® recommends that a backfill protection layer be installed over the waterproofing membrane consisting of board, heavy plastic sheet materials, fan-fold ribbed plastic board etc.