NUDURA FLOOR TECHNOLOGY

PRODUCT FEATURES:

Molded Expanded Polystyrene Foam (Available in Type 2 and Type 3 EPS)

2' (610mm)

8' (2438 mm)

1 1/8" (32mm), 1 1/4" (48mm), or 2 1/8" (63mm)

Ship Lap

Tongue and Groove Interlock

(1 1/8" (32mm) product is ship lapped on four sides)

TYPICAL NUDURA® CROSS SECTION:

CONTINUOUS PERFORATED DRAIN WITH CRUSHED STONE

NUDURA FLOOR TECHNOLOGY

1 1/8" (32mm) OR
1 1/4" (48mm) OR
2 1/8" (63mm) EPS

CLEAR STONE TO FOOTING DEPTH

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL (FOOTING REINFORCEMENT AS PER CODE OR AS SPECIFIED)
NUDURA FLOOR TECHNOLOGY

SUPERIOR PERFORMANCE
NUDURA Floor Technology is a durable and effective underslab insulation that is fast and economical to install.

• Unique ship lag and tongue and groove integrity – no gaps and fast and easy installation
• Durable molded sheets resist the cracking and crumbling associated with wire cut products.
• Cost effective under-slab insulation performance.
• Contains no potentially harmful CFC’s or HCFC’s.
• Safe Handling
• 100% recyclable

Level the granular base to receive the panels.

Install panels against one wall, with the labelling upwards, making sure that the end of the panel with the ship lap is at the bottom to receive the next panel.

Once the pattern is established, use the orientation of the labeling to maintain the pattern.

It is recommended to stagger the 2’ (610 mm) seams. This is easily achieved by starting the second row with the leftover cut panel from the first row. This method will result in virtually no material waste.

PACKAGING AND ORDERING

• Three lines of NUDURA Floor Technology are available – Type 1 EPS, Type 2 EPS, Type 3 EPS.
• Available in 1 ¼” (32 mm), 1 ¾” (48 mm), or 2 ½” (64 mm) thicknesses.
• NUDURA Floor Technology can also be custom manufactured at higher densities to meet job-specific requirements.
• Packaging

<table>
<thead>
<tr>
<th>Thickness</th>
<th>QTY/Bundle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ¼” (32 mm)</td>
<td>16 (Type 1 &amp; 2 only)</td>
</tr>
<tr>
<td>1 ¾” (48 mm)</td>
<td>11 (Type 3 Qty/Bdl 8)</td>
</tr>
<tr>
<td>2 ½” (64 mm)</td>
<td>8 (Type 3 Qty/Bdl 5)</td>
</tr>
</tbody>
</table>

TECHNICAL DATA

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTIES OF MOLDED EPS INSULATION</th>
<th>ASTM TEST METHOD</th>
<th>ULC S701-05 REQUIREMENTS (TYPE 2)</th>
<th>NUDURA® FLOOR TECHNOLOGY TYPE 2</th>
<th>ULC S701-05 REQUIREMENTS (TYPE 3)</th>
<th>NUDURA® FLOOR TECHNOLOGY TYPE 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Resistance (1” thick) hr.ft2.°F/ BTU (m2.°K/w)</td>
<td>C-518</td>
<td>min.: 4.0 (min.: 0.70)</td>
<td>4.05 (0.708)</td>
<td>min.: 4.20 (min.: 0.74)</td>
<td>4.20 (0.74)</td>
</tr>
<tr>
<td>Water Vapor Permeability Perm. (ng/Pa.s.m2)</td>
<td>E-96</td>
<td>max.: 3.5 (max.: 200)</td>
<td>0.60 (35)</td>
<td>max.: 2.25 (max.: 130)</td>
<td>1.24 (71.3)</td>
</tr>
<tr>
<td>Dimensional Stability %</td>
<td>D-2126</td>
<td>max.: 1.5</td>
<td>1.0</td>
<td>max.: 1.5</td>
<td>0.16</td>
</tr>
<tr>
<td>Flexural Strength PSI (kPa)</td>
<td>C-203</td>
<td>min.: 35 (min.: 240)</td>
<td>84 (575)</td>
<td>min.: 43.6 (min.: 300)</td>
<td>77 (529)</td>
</tr>
<tr>
<td>Water Absorption %</td>
<td>D-2842</td>
<td>max.: 4.0</td>
<td>1.8</td>
<td>max.: 2.0</td>
<td>0.12</td>
</tr>
<tr>
<td>Compression Strength PSI (kPa)</td>
<td>D-1621</td>
<td>min.: 16 (min.: 110)</td>
<td>19 (131)</td>
<td>min.: 20 (min.: 140)</td>
<td>35 (248)</td>
</tr>
<tr>
<td>Oxygen Limit Indication %</td>
<td>D-2863</td>
<td>min.: 24</td>
<td>41</td>
<td>min.: 24</td>
<td>24</td>
</tr>
</tbody>
</table>