GoGuard MH Undersiding

Listing Details
The GoGuard MH Undersiding covered under this Product Evaluation Report is manufactured by Qingdao PuYoung Plastics Co., Ltd. and listed by Progressive Engineering Inc. (Pei). The manufacturer listed above has an approved Quality Control Manual to manufacture this material. The MH undersiding material is intended for the HUD Manufactured Housing Industry. Each roll for incoming shipments go through a quality control check and testing. This program is monitored by Pei.

Product Description
The GoGuard MH Undersiding is a woven mesh material used for the economic grade of manufactured housing (MH) undersiding (bottom board). The material is manufactured from a woven one-sided coated polyethylene scrim/coating. The undersiding material provides vapor barrier protection by preventing floor damage due to water penetration and reducing mold production. The MH undersiding roll comes in a variety of sizes. For roll availability, the length of a finished roll would be approximately 3000’, with a width ranging in sizes of: 148”, 170”, 176”, 184”, 196”, 205”, and 225”.

Product Storage
Rolls should be protected from the elements and stored on a flat surface, so that the material is not permanently creased, indented, flattened or damaged.

Code Compliance
Title 24: HUD - Part 3280
Section 3280.305 (D) 6 - Bottom Board Material

Compliance - Standard Test Methods
ASTM D781 - 1968(73): Beach Puncture Test - Puncture and Stiffness of Paperboard and Corrugated and Solid Fiberboard
Exceeds the level of 48 inch-pounds of puncture resistance as tested by the Beach Puncture Test.
US PERM Rating = 0.15 Perm
General Product Usage and Limitations

- The GoGuard MH Undersiding shall be installed in accordance with the manufacturer's Installation Instructions, and are subject to the conditions of this PER. A copy of the manufacturer's Installation Instructions shall be made easily available to the installer.

- The material should be laid over the entire prepared floor assembly; which includes HVAC duct system, floor insulation, electrical and plumbing components or manufactured home frame, with the edge of the material extending over the edge of the perimeter joist or floor edge. Extending the material over the edges will allow for an easier attachment for staples.

- The MH undersiding may be laid out on the floor assembly with woven scrim (uncoated), side facing up and should be attached to the outside perimeter joist, with a minimum of 1" wide crown, 16 gauge minimum staples.

- The edge of the material should be stapled approximately 3" on center around the perimeter. To increase the holding strength of the MH undersiding, the material may be folded over before stapling. Staples should be applied at approximately a 45° angle as to also increase the holding strength.

- Staples should be set flush with the face of the material, not to be set to where the crown of the staple is cutting into the material.

- The GoGuard MH Undersiding cannot be walked on during installation.

- For cuts or tears the material can be repaired using an approved adhesive tape shown in Table 1 of this PER. To make a repair on the material, cut a section out that is at least two inches (2") larger than the area to be repaired. Fasten all four sides with an approved adhesive tape, with the repairing area being clean and dry. Make sure the grain of the patch material is being set in the same direction as the overall base material. The following table on page two (2) shows acceptable repair tapes.

Table 1 - Approved Adhesive Tape

<table>
<thead>
<tr>
<th>Repair Tape Description</th>
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<tbody>
<tr>
<td>Intertape AC617</td>
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<tr>
<td>Intertape 20CBK</td>
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<tr>
<td>Intertape IRON-GR</td>
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<tr>
<td>World Pak HM2000</td>
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<tr>
<td>Shurtape PC 609</td>
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<td>Shurtape PC 658</td>
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</table>
**Product Labeling**

All GoGuard MH Undersiding material covered by this PER must be labeled on the MH undersiding itself and labeled on the outer shipping material, with at least the following:

1. Labeling that the product meets HUD Section - 3280.305 (D) 6
2. Roll number, size (width / length), GSM, order number and Company Information
3. This PER Number & Pei Name and Logo information, located at both ends of the core
4. A green product label for MH will be on each roll detailing the product specification with bar code reading

![Figure 1 - Approved Product Label](image)

**Product Documentation**

A Follow-up Service and Inspection Agreement between Progressive Engineering Inc. and LaSalle Bristol

LaSalle Bristol Quality Control Program - Dated: 7/24/2017


GoGuard MH Undersiding MH80GSM Sheet - Dated: 1/2017

GoGuard MH Undersiding MH80GSM Product Data Sheet - Dated: 1/2017

GoGuard MH80 Undersiding Product Specification (Folded Film) - Dated: 1/2017

GoGuard MH Undersiding Storage and Installation Sheet - Dated: 1/2017

A SDS for LLDPE U8835 - Dated: 2/17/2015

A SDS for HDPE MF5000 - Dated: 2/17/2015

Test Report No.: RAD-5483 - Beach Puncture Test per ASTM D781 - Dated: 5/8/2014


PuYoung IND. Affidavit Letter - Dated: 9/5/2016

PuYoung IND. Affidavit Letter - Dated: 7/14/2017


A Repair Tape Acceptance Letter from PY PuYoung Ind. Co., Ltd. - Dated: 11/30/2017

www.lasallebristol.com