



RV UNDERSIDING II MH80GSM

GoGuard™ RV Undersiding (RV80) is the economic grade of recreational vehicle Undersiding Film, which meets all the physical property requirements of the recreational vehicle Undersiding. GoGuard™ RV Undersiding (RV80) is acceptable for use on recreational vehicle constructed. GoGuard™ RV Undersiding (RV80) can be walked on during installation.

GoGuard™ RV Undersiding (RV80) is manufactured from a woven one-side coated polypropylene scrim/coating utilizing the latest manufacturing techniques and technology. This unique product provides the tear and puncture resistance required by the most demanding recreational vehicle plant.

BENEFITS OF GoGuard MH UNDERDERSIDING — RV80

VAPOR BARRIER PROPERTIES: GoGuard™ RV Undersiding (RV80) provides a vapor barrier protection. The solid woven structure of the GoGuard™ RV Undersiding (RV80) will prevent floor damage due to water penetration and reduce mold infestation.

WOVEN STRENGTH: GoGuard™ RV Undersiding (RV80) is produced from specially formulated polypropylene ribbons and coating. This manufacturing process produces a RV Undersiding with exceptional tensile strength, tear and puncture resistance. Highly resistant to tear propagation □ small tears or holes do not turn into big repair jobs.

ROLL AVAILABILITY: LaSalle Bristol stocks the following sizes for quick delivery.

Length *	Widths
3000 ft	54", 97", 102", 105", 109" and 115"

Finished rolls are folded.

GoGuard™ RV Undersiding (RV80) is produced at a state of the art and highest manufacturing facility.

For Information on **GoGuard™ RV Undersiding (RV80)**, please contact your local LaSalle Bristol sales representative.

Roll Length Tolerance +/- 10%

May 2014



RV UNDERSIDING II

STORAGE & INSTALLATION

STORAGE: Although GoGuard™ RV Undersiding II is durable, some care should be exercised in the storage of the rolls. Rolls should be stored on a flat surface so as not to permanently crease, indent, or otherwise damage them. Rolls should be protected from the elements.

If rolls are to be suspended from pipes or bars during the manufacturing process, the pipes or bars should be of sufficient strength to prevent bending or sagging in the roll. This will ensure that the material is easy to unwind, and will prevent stretching or creasing in the roll.

INSTALLATION TOOLS: Only light hand tools are required for the typical installation of GoGuard™ RV Undersiding II. For most installations, the following are all that should be required:

- Stapler with wide crown staples (16 gauge minimum).
- Razor or utility knife
- Straight edge or carpenters square (optional)

INSTALLATION PROCEDURE: GoGuard™ RV Undersiding II should be attached to the outside of the perimeter joist with a minimum of 1/4" wide crown, 16 gauge staples. The material should be laid over the 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 frame, so that the material is provided for attachment. The edge of the material should be stapled on approximate 3" centers around the perimeter. Before stapling, the GoGuard™ RV Undersiding II may be folded over which will increase the holding power. Staples should be applied at approximately a 45° angle, so as to also increase the holding power, and hinder rodent entry. Adjust staple depth so that the staple is flush with the joist, and that the crown is not cutting into the material. GoGuard™ RV Undersiding II may be used with woven scrim (uncoated) side facing up.



MH/RV UNDERSIDING LIMITED WARRANTY

The PuYoung Ind. Co., LT warrants, subject to the terms and conditions set forth, factory installed **GoGuard MH/RV Undersiding** to be free from manufacturing defects in workmanship and materials for two years from the date of retail purchase of the manufactured home in which it is installed. This limited warranty applies only to the original site location of the home, and only when the product is used under normal conditions. This limited warranty does not include damages in **GoGuard MH/RV Undersiding** resulting from misuse, abuse, or conditions existing after manufacturing, including, but not limited to: acts of God (such as earthquakes, floods, piercing hail, tornadoes, or other severe weather conditions of any type), alterations, sabotage, fire, improper handling during transportation or setup, water damage, foreign objects, or animals.

GoGuard MH/RV Undersiding is warranted to support the underbelly insulation of the manufactured home, and to provide vapor barrier protection when it is installed, patched or repaired in accordance with the manufacturer's instructions.

Should these products fail to perform as indicated within the terms of this warranty, the manufacturer's sole responsibility will be to provide replacement **GoGuard MH/RV Undersiding**. Additionally, The PuYoung Ind.Co., LTD and LaSalle Bristol agree to provide no more than three times the original material cost for that particular home for removal and reinstallation costs.

The PuYoung Ind.Co., LTD and LaSalle Bristol shall not be liable for any incidental or consequential loss, damage, or expense.

All claims must be submitted to the PuYoung Ind.Co., LTD via LaSalle Bristol. The manufacturer reserves the right to inspect any material, which fails to perform as warranted prior to any repair or replacement. Failure to provide PuYoung Ind.Co., LTD the opportunity to inspect will result in the nullification of this limited warranty. No allowance will be made for repairs or replacements by the purchaser without express written consent of PuYoung Ind.Co., LTD.

The PuYoung Ind.Co., LTD and LaSalle Bristol. makes no warranty of any kind other than that given above, and hereby disclaims all other warranties, both express and implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

DISTRIBUTED BY:



MAY 2018



RV80 UNDERSIDING II

PRODUCT SPECIFICATION (FOLDED FILM)

Product Size	Folding Pattern	Approx. Wt./Roll	Roll Diameter	Product Code
54" Wide X 3000'	Lay Flat	230 lbs.	TBD	311054
97" Wide X 3000'	Lay Flat	414 lbs.	TBD	311097
102" Wide X 3000'	Lay Flat	435 lbs.	TBD	311102
105" Wide X 3000'	Lay Flat	448 lbs.	TBD	311105
109" Wide X 3000'	Lay Flat	465 lbs.	TBD	311109
115" Wide X 3000'	Lay Flat	491 lbs.	TBD	311115

LABELS AND MARKINGS:

- PEI Listing Labels are located at both inside ends of the core.
- LaSalle Bristol Bar Code label is located on the outside end of the roll packaging
- Color Production Code label (YELLOW) is located at both inside ends of the core detailing Vendor Product Code, Width, Length, Weight and Roll Number.

WRAP:

- Exterior wrap – Tape entire end of the roll to itself using packing tapes.

CORE: 4"

* Roll Length Tolerance +/- 10%



MH/RV UNDERSIDING REPAIR TAPE

Mr. Manuel Ponce'
Lasalle Bristol, INC.
601 country Road, 17
Elkhart, IN 46516

Dear Mr. Ponce'

We, PUYOUNG IND CO., LTD, hereby confirm that repair tapes listed below are acceptable to use for PE bottom board material.

Test Lab : Puyoung QC team
Test Date : November 16, 2017

Test method	Tensile Strength		Adhesion Test	Recommendation
	ASTM D-5035	ASTM D-5035	ASTM D-3330 TEST Method -A	
Repair Tape	Warp (lbf)	Weft(lbf)	lbf	
PC609	39.26	39.12	6.88	Acceptable
PC658	62.39	61.97	6.93	Acceptable

Best regards,

David Lee
Puyoung Ind Co., LTD



MH/RV UNDERSIDING REPAIR TAPE

Mr. Manuel Ponce'
Lasalle Bristol, INC.
601 country Road, 17
Elkhart, IN 46516

Dear Mr. Ponce'

We, PUYOUNG IND CO., LTD, hereby confirm that repair tapes listed below are acceptable to use for PE bottom board material.

Test Lab : Puyoung QC team
Test Date : November 29, 2017

Test method	Tensile Strength		Adhesion Test	Recommendation
	ASTM D-5035	ASTM D-5035	ASTM D-3330 TEST Method -A	
Repair Tape	Warp (lbf)	Weft(lbf)	lbf	
PC609	39.26	39.12	6.88	Acceptable
PC658	62.39	61.97	6.93	Acceptable
AC617	71.9	82.3	11.376	Acceptable
20CBK	50.25	67.19	3.365	Acceptable
HM2000	35.98	35.56	21.978	Acceptable
Iron-Grip	72.3	36.6	5.5	Acceptable

Best regards,
David Lee
Puyoung Ind Co., LTD



REPAIR AND FINISHING OF GOGUARD MH & RV UNDERSIDING

Small cuts and tears in the **GOGUARD MH and/or RV Undersiding** material can be repaired using a repair tape as specified below or equivalent material. For larger cuts or tears, or for sealing double-wide units, patches made from the same or equivalent Undersiding material should be used. Cut the patch to a size at least 2" wider than the area to be repaired, and fasten on all four sides with an adhesive tape such as LaSalle's 20CBK, Iron Grip, PC609, PC658, or HM2000-2",3",4", & 27" x 150' rolls.

Zipper Patch part number 2701092418 may also be use for easy access to Undersiding cavity where necessary. This 'peel n stick' patch is applied by removing the release paper liner. Then properly locate the zipper patch so that the zipper panel is orientated to meets the needs for attainable access through the Undersiding. When access is then required, cut through into the center, between and along the zipper teeth to create an entire access through the Undersiding.

Patches and/or repair tapes may also be applied with a contact adhesive, such as 3M High Strength #90 or Sta'-Put SP4M spray adhesives. The repair area should be clean and dry, and the patch should be cut into a minimum of 2" wider on all sides than the area to be repaired. When making patches of woven coated Undersiding, make sure that the ribbon profile of the patch is placed in the same direction as the Undersiding material, to ensure maximum surface contact. To get the best consistent bonding results, it is recommended to squeegee evenly over the repair tape/patching area by using a typical tape squeegee.

Two coats of the adhesive should be sprayed on both the surface of the woven coated Undersiding to be repaired, and on the patch. Apply the second coat perpendicular to the first. Allow the adhesive 1-5 minutes to set, and then apply the patch to the area to be repaired. Press firmly to assure proper adhesion, being careful to avoid as many air pockets and wrinkles as possible.

Welding patch material to the repair area using a hot iron is NOT recommended, as the welding process will result in the material losing much of its strength in the patched area. Follow either of the above methods instead.

Issued: November 21, 2017

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