



***GO*GUARD**

Shingle Underlayment

LaSalle Bristol is the first to introduce the newest and innovate product to the factory-built housing industry, GoGuard™ Shingle Underlayment.



This new technology offers a light weight, stronger, more permeable solution to traditional asphalt based and wax coated products. Our high-strength engineered roof underlayment can save on labor, time and expense.

www.lasallebristol.com


LaSalle Bristol

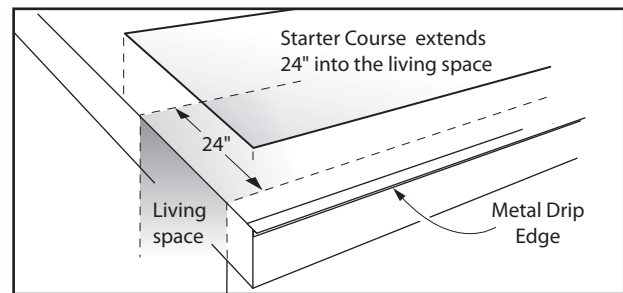
INSTALLING GoGuard™

ROOF UNDERLAYMENT FOR MANUFACTURED HOUSING

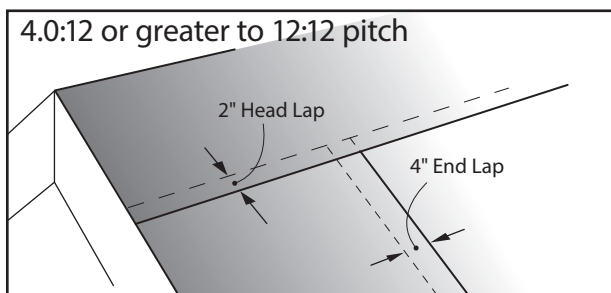
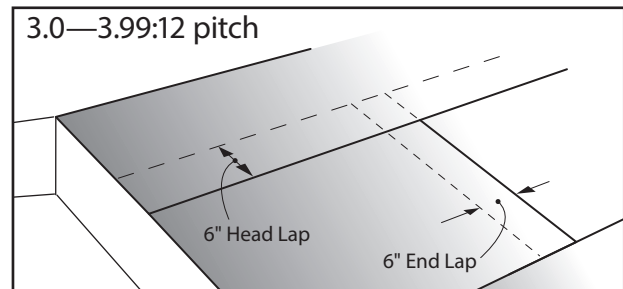
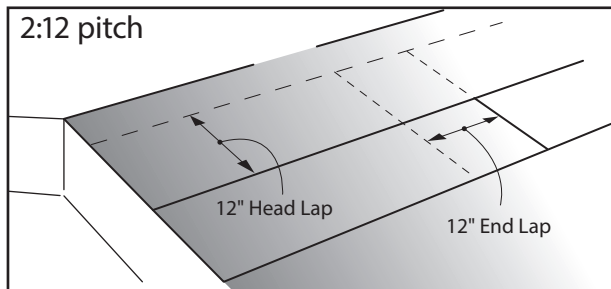
THE ILLUSTRATIONS SHOWN HERE COVER THE CRITICAL TOPIC OF PROPER OVERLAPS REQUIRED FOR INSTALLING GOGUARD™. AFTER COMPLETION OF INDUSTRY ACCEPTED DECK, INSTALL GOGUARD IN ACCORDANCE TO LOCAL CODE REQUIREMENTS.

STARTER COURSE

Apply metal eave drip on deck. Apply the starter course of GoGuard™ underlayment, recommend coated side up, on the roof deck flush with drip edge of metal eaves strip extending a minimum of 24" into the living space. It is optional to install with non-woven side up. Fasten this starter course on approximately 18" centers to hold in place.



GOGUARD™ OVERLAPPING REQUIREMENTS



OTHER CONSIDERATIONS

The installer is responsible to see that all local codes and roofing manufacturers requirements are met. Please refer to the Asphalt Roofing Residential Manual published by ARMA and each manufacturers DAPIA regarding the details listed below.

- Cold Weather Installations
- Proper Ventilation
- Final Roofing Requirements

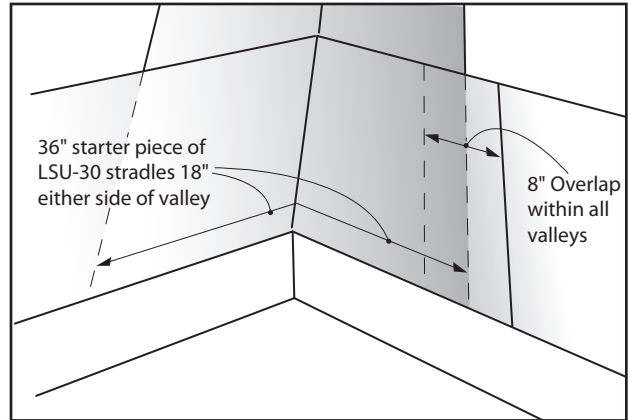
COLD WEATHER APPLICATIONS

Roofing cement is required whenever the January daily average temperature is 25°F or less, where there is a possibility of ice forming along the eaves and causing a back up of water. Apply the succeeding courses of GoGuard™ over the starter course and remaining roof using only enough fasteners to hold it in place. Apply metal rake drip edge over the GoGuard™ underlayment if required.

NOTE: When the home is shipped into areas where the January daily average temperature is above 26°F, you may (a) eliminate the roofing cement on the starter strip or (b) not use a starter strip unless required by the shingle manufacturer's application instructions.

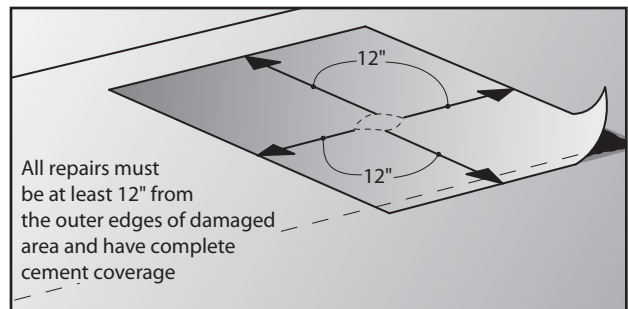
VALLEY STARTERS AND OVERLAPS

Install GoGuard™ from rake toward intersecting valley, applying it so as the valley underlayment overlaps the base underlayment by a minimum of 8 inches. Install the valley underlayment in accordance with the roofing manufacturers instructions. If the roofing manufacturer is not specific on this procedure, use the most current Asphalt Roofing Manufacturers Association instructions. Refer to the chapters that cover open, woven and closed cut valleys.



REPAIRING GOGUARD

If patching and/or repairs of GoGuard™ is necessary, the following is recommended: using roof cement, apply a patch of GoGuard™ extending a minimum of 12" beyond the outer edges of the damaged area. Place the patch directly over the damaged area.



VENTILATION

All attic or crawl spaces between the ceiling and the roof deck must be well ventilated to prevent condensation on the underside of GoGaurd™. Condensation could result in damage to the roof deck and the home's interior.

During cold weather construction, a positive air circulation must be maintained to keep moisture from being trapped inside the attic area. Without proper ventilation, moisture from cooking, baths, plants or air conditioning will rise with the warm air and condense when it reaches the cold roof sheathing. The result is possible damage no matter what type of roof covering is used. Installation of eave and/or roof vents or louvers of sufficient size placed high in gables should assure adequate air circulation and ventilation.

ROOFING

Apply the roof covering (...shingles, etc.) according to the manufacturers instructions. Usually refer to the bundle or package label for these instructions.

LaSalle Bristol 601 County Road 17 Elkhart, IN 46516
P.O. Box 98

Toll Free: 800-718-7187 Phone: 574-295-4400 Fax: 574-295-5290



See **Pei** PER #13068
12-3-14



LSB GG 12 11 14

Pei Evaluation Service is an accredited ISO Standard 17065 Product Certifier, accredited by the IAS. This **Product Evaluation Report** represents a product that **Pei ES** has Evaluated and this product has a Follow-up Service / Inspection Agreement. This **Product Evaluation Report** in no way implies warranty for this product or relieves **LaSalle Bristol** of their liabilities for this product. This **PER** is an official document if it is within one year of the Initial or Re-Approval date.

Initial Approval
October, 2014

Re-Approved
October, 2017

See all **Pei ES** Listings at: www.p-e-i.com

Report Owner

LaSalle Bristol
601 County Road 17
Elkhart, IN 46515

Approved Manufacturing Locations

Cady Bag Company, LLC
41 Project Circle
Pearson, GA 31642

Product

Go Guard MH/Modular Synthetic Shingle Underlayment

Evaluation Report Information

LaSalle Bristol Contact: Manuel Ponce - (574) 295-4400
www.lasallebristol.com

General Details

LaSalle Bristol Go Guard MH/Modular Synthetic Shingle Underlayment is manufactured by Cady Bag Company, LLC. The manufacturing facility has an approved Quality Control Manual for manufacturing this product. **LaSalle Bristol** has an Evaluation Agreement with **Pei Evaluation Service (Pei ES)** and an Inspection Agreement with **Progressive Engineering Inc. (Pei)**. The product manufacturer is audited periodically by **Pei**.

Product Description

Go Guard MH/Modular Synthetic Shingle Underlayment is a non-woven polypropylene layer laminated to a biaxial oriented polypropylene film. The approximate material thickness is .009" with a weight of 2.1 ounces per square yard.

General Product Use

Go Guard MH/Modular Synthetic Shingle Underlayment is intended for use with asphalt based shingles as an alternative to ASTM D226, Type I and ASTM D4869, Type I roofing underlayment as specified in Section 905.2.3 of the 2012 IRC and Section 905.1.1 of the 2015 IRC. **Go Guard** MH/Modular Synthetic Shingle Underlayment is for use in factory built structures only. This product is **not** to be used with classified or fire rated roof assemblies or as an ice barrier. The manufacturer's installation instructions provide recommendations for product repair and cold weather applications.

Building Code Compliance

International Residential Code® 2009 and 2012 - Section 905.2.3 and 2015 - Section R905.1.1

Federal Manufactured Home Construction and Safety Standards, 24 CFR 3280.

This Product has been Tested and Evaluated to meet ASTM D6757-07, Section 6, Table 1.

Product Installation

Go Guard MH/Modular Synthetic Shingle Underlayment shall be installed following the manufacturer's installation instructions and in accordance with Section R905.2.7 of the **2012 IRC** and Section 905.1.1 of the **2015 IRC**. The manufacturers installation instructions must be easily available to the installer.

1. The underlayment must be installed over solid sheathing as described in the **IRC**.
2. The underlayment is laid horizontally, parallel to the eave and may be installed with either side facing upward. It is recommended to install the coated side up.
3. The minimum roof slope allowed is 2:12, 17% slope.
4. Roof slopes from 2:12 up to 4:12, where the roof is covered with asphalt shingles, doubling the underlayment is required. Doubling is not required on units manufactured to the Federal Manufactured Home Construction and Safety Standards, 24 CFR 3280.
5. The minimum number of mechanical fasteners shall be used to hold the underlayment in place.
6. The shingles shall be installed immediately after the underlayment application. This product must be covered before leaving the factory for protection against sun, wind and rain. All roof areas not shingled for shipping reasons that have exposed underlayment, must be covered until the shingles are installed.

Product Documentation

A Product Evaluation Service Agreement between *Pei Evaluation Service* and **LaSalle Bristol**.

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

Quality Control Manual - Dated: 10/20/2016

LaSalle Bristol Installation instructions - Dated: 5/2017

A *Pei* test report No. 2013-1297 - Evaluation of GoGuard Shingle underlayment to ASTM D6757 Inorganic underlayment.

Product Labeling

Go Guard MH/Modular Synthetic Shingle Underlayment must be labeled with at least the following;

1. **LaSalle Bristol** Name and Address
2. A *Pei Evaluation Service* Evaluation Mark
3. The Product Evaluation Report number, PER-13068
4. The manufacturing traceability information

This information can be applied permanently to the material or by affixing a label to the rolls of material.

Acceptable Evaluation Marks



Figure 1 - **Go Guard** MH/Modular Synthetic Shingle Underlayment