



RESIDING



HIGH

PERFORMANCE

UNDERLAYMENTS



Building Materials

The Complete Line of Premium Fanfold Residing Products

Dow is a proven name within the residing industry that residing contractors have come to know and trust. Our commitment to the residing industry can be seen in our full line of DOW High Performance Underlayment products, designed specifically to meet the needs of today's contractors. All of our underlayment products provide contractors with the level surface necessary for installing new siding, in addition to providing the insulation and reduced air infiltration properties required to provide an energy-efficient home.

This results in better siding performance and fewer customer callbacks, which means less headaches for residing contractors.

A more level surface

When using backer board, a flat, level surface is the key to getting the best possible results. DOW High Performance

Underlayments provide the level, rigid surface residing contractors demand to hang siding. Our fanfolded boards can be used over practically any exterior surface to create a smooth, flat surface on which to hang siding. Included in our complete line is a Lay Flat (LF) product which features a specially designed fold to provide an enhanced, rigid, level surface. This solid base won't hump or buckle, enabling residing contractors to install new siding that hangs beautifully, reducing costly customer callbacks.



Now Available
DOW
HPU-LF



Reduced callbacks

To reduce costly customer callbacks, contractors must get the job done right the first time. And that means providing homeowners with a quality residing job, in addition to providing them with an energy-efficient home. That's why contractors choose DOW High Performance Underlayments. The boards insulate the entire wall including the frame wall where 17% of heating and cooling loss occurs in an average home. They also cover cracks in the old siding and around doors and windows where air infiltration can occur. Air infiltration accounts for about 38% of heating and cooling loss in an average home. Consequently, residing with DOW High Performance Underlayment insulates areas where 55% of the heating and cooling loss occurs in a typical home. In addition, small perforations in the foam allow moisture vapor to escape from the wall, reducing the potential for harmful moisture buildup and associated problems. DOW High Performance Underlayments are moisture resistant, with durable facings that won't delaminate. This prevents rotting or warping through the years. All of which results in better siding performance.

Easy installation

On the jobsite, time is money. So, fast, easy installation is crucial. DOW High Performance Underlayments are produced in easy-to-install 50' x 4' fanfold sections. This allows contractors to cover large areas quickly with continuous, gap-free coverage, saving time and money during installation. The flexibility and durability of DOW High Performance Underlayments allow corner-wraps without breakage or reinforcement. In addition, the fanfolded boards are easy to cut and handle, ensuring fast, easy installation.

Time and money savings

DOW High Performance Underlayments are moisture resistant. So, there is less worry about them getting wet on the jobsite – like other building materials – thus avoiding costly delays and damaged products. This, along with the benefits of reduced callbacks and quick, easy installation, can help contractors save considerable time and money.

A full line of choices

Dow understands the importance of a large product offering. That's why Dow offers the largest selection of High Performance Underlayment products, available in a variety of thicknesses and facers to meet the needs of today's residing contractor. DOW High Performance Underlayments are made of water-resistant Blue* extruded polystyrene foam insulation which is heat bonded between various facers and then pin-perforated. All boards are available in ¼" thickness. Plastic/Plastic (P/P) and Plastic/Reflective Plastic (P/R) are also available in ¾" thickness. DOW HPU-LF is available in both P/P and P/R in either ¼" or ¾" thickness.

A proven name

Best of all, DOW High Performance Underlayments are part of a family of products that includes STYROFOAM* brand insulation. Dow is a proven name within the residing industry. The distinctive Blue color is a billboard of quality – important to both the residing contractor and today's quality conscious homeowner.





For sales information:
1-800-232-2436

For technical information:
1-866-583-BLUE (2583)

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Dow assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

COMBUSTIBLE: Protect from high heat sources. For more information, consult MSDS and/or call Dow (1-866-583-2583). In an emergency, call (1-989-636-4400). Local building codes may require a protective or thermal barrier. Contact your local building inspector for more information.

The Dow Chemical Company
200 Larkin Center
1605 Joseph Drive
Midland, MI 48674
www.dowbuildingmaterials.com



Living.
Improved daily.

*Trademark of The Dow Chemical Company
†A business unit of The Dow Chemical Company and its subsidiaries

Printed in U.S.A.
Form No. 179-6428-0599BK
McKAY171777

Here are the various facings available.

Plastic/Plastic (P/P)

Bonds the insulation between strong plastic film facers.



P/P	1/4"	3/8"	1/4" LF	3/8" LF
	✓	✓	✓	✓

Plastic/Reflective Plastic (P/R)

Bonds the insulation between a strong plastic film facer and a metallicized, reflective plastic film facer.



P/R	1/4"	3/8"	1/4" LF	3/8" LF
	✓	✓	✓	✓

Kraft/Foil (K/F)

Bonds the insulation between a kraft paper facer and a foil facer.



K/F	1/4"	3/8"	1/4" LF	3/8" LF
	✓			

Kraft/Kraft (K/K)

Bonds the insulation between kraft paper facers.



K/K	1/4"	3/8"	1/4" LF	3/8" LF
	✓			

Typical Physical Properties ²	Plastic/Plastic ¹		Plastic/Reflective Plastic ¹		Kraft/Foil	Kraft/Kraft
	1/4"	3/8"	1/4"	3/8"	1/4"	1/4"
Thickness⁷	1/4"	3/8"	1/4"	3/8"	1/4"	1/4"
R-Value² °F•ft ² •h/BTU	1.0	1.5	1.0	1.5	1.0	1.0
Water Absorption⁴ % by volume	0.1	0.1	0.1	0.1	0.1	0.1
Permeance⁵ perms	2	2	1.2	1.2	3.5	3.5
Compressive Strength⁶ , lb/in. ²	15	15	15	15	15	15

¹ Includes LF version

² Not to be construed as specification limits.

³ ASTM C 518 @75°F mean temperature

Dow does not claim additional insulation value for the reflective or non-reflective air space next to the foam underlayment. The higher the R-value, the greater the insulation power.

Ask your seller for the fact sheet on R-values.

⁴ ASTM C 272

⁵ ASTM E 96

⁶ ASTM D 1621

⁷ Nominal thickness

