

Shelterwrap™

“The Original”

**You trust the foam
cup to keep the heat
in your coffee.**

Shelterwrap R-Values*

- 1/4" thick = R 1.0
- 3/8" thick = R 1.5
- 1/2" thick = R 2.0
- 3/4" thick = R 3.0
- 1" thick = R 3.9

R-Values stated above
are at 75 degrees F.
R-Values actually
increase as the
temperature goes down.

System R-Value**

- 1/4" thick = R 4.4
- 3/8" thick = R 4.9
- 1/2" thick = R 5.4
- 3/4" thick = R 6.4
- 1" thick = R 7.3

*R-Values based
on data from the
ASHRAE Handbook of
Fundamentals 1993,
Chapter 22

** System R-Value
includes 3/4" foil lined
air space (ASHRAE,
Chapter 22)

Permeance

5.0 water vapor
permeance of 1"
thickness, max. perm
Test Method ASTM E96

Value

Shelterwrap offers the
best value available
for a leveling board,
insulator and air
infiltration barrier .

Insect & mold resistant



**Imagine what
Shelterwrap can
do for your home!**

**For over 35 years Shelterwrap™
has been the original Polystyrene
insulated fanfold underlayment -
with millions homes covered!**



QUALITY EPS PRODUCTS FOR OVER 35 YEARS



HIGH DENSITY UNDERLAYMENT INSULATION



AIR INFILTRATION

In most homes the movement of air from inside out and outside in, is the single greatest cause of energy loss. Areas most greatly affected by air infiltration are window and door frames, sill plates, and through the wall itself. Shelterwrap underlayment insulation, when installed properly, is designed to eliminate costly air infiltration.

Shelterwrap is manufactured of expanded polystyrene laminated with a durable copolymer film in one continuous sheet measuring 4 feet in height by 24 feet in overall length. Being manufactured in this manner gives Shelterwrap a clear advantage in eliminating seams and cracks on the wall, developing a total wall insulating system.

Shelterwrap is ideal in re-cover applications, as well as single ply roof applications that employ mechanically fastened TPO, PVC, EPDM and CSPE membranes. Consult local building codes and membrane manufacturer for system requirements.

The EPS core of Shelterwrap meets or exceeds the requirements of ASTM C-578, *Standard Specifica on for Rigid, Cellular Polystyrene Thermal Insulaton*. In addition Shelterwrap has excellent compressive strength, dimensional stability, and water resistant properties.

Ever since we originated Shelterwrap™ more than 35 years ago, millions of homes across America have cut their energy consumption and lowered their utility bills by using this remarkable material.

Shelterwrap provides permeability which allows wall cavities to breathe, thus reducing the risk of condensation within the wall.

The effectiveness of a particular product to slow down or eliminate air infiltration is not measured in "R-Value", which means resistance to heat flow. The higher the R-Value the greater the insulating value.



QUALITY EPS PRODUCTS FOR OVER 35 YEARS

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Product Specifications

Product Name: Shelterwrap HD®
Size: 48 in. Tall by 24 ft. Long
Format: Fanfold
Core Material: Expanded Polystyrene (EPS)
Facing Options: PC2 : Poly-(clear) / Poly-(clear)
 RPC: Poly-(reflective) / Poly-(clear)
 R2: Poly-(reflective) / Poly-(reflective)

SHELTERWRAP "R" VALUES

Material Thickness	Material R-Value
1/4"	1.0
3/8"	1.5
1/2"	2.0
3/4"	3.0
1"	3.9

STANDARDS:

ASTM C 518-98 "Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.

FEATURES

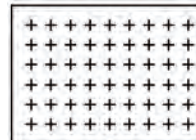
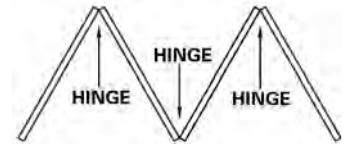
- ▶ New Co-Polymer Surfaces
- ▶ Accordion Fanfold
- ▶ Eliminates use of lathe
- ▶ Easily Installed

"R-Values": based on data from the ASHREA Handbook of Fundamentals2001, Chapter 23.

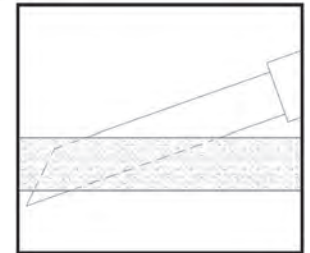
Caution: This product is combustible and if exposed to a fire of sufficient heat and intensity may burn rapidly. It should not be left exposed or inadequately protected.

Recommended Installation

Shelterwrap was designed to be applied directly over existing siding. Measuring 4' x 24' per bundle, Shelterwrap is cut through the insulation every 2' and fan folded with copolymer film, working as a hinge at each fold. This allows easy one-person installation. Additionally, the fanfold construction allows the product to lay absolutely flat against the old siding and eliminates the need for furring strips.



Measuring: Top, bottom and side edges of windows and doors, should be butted neatly to reduce air infiltration through the wall system. The 1" "+" pattern on the film makes cutting around windows and doors easier, without the use of a straight edge.



Cutting: Shelterwrap should be cut with a thin blade extended 1-1/2" to 2". For best results, it is recommended that a 15 to 20 degree angle of the blade to the Shelterwrap, will provide the smoothest, and neatest cut.

Installing: Nail Shelterwrap every two feet along its length, and approximately 2" from the top and bottom of the product. For most applications, 1-1/2" aluminum siding nails are appropriate. Shelterwrap should be applied to, and around the corners of the structure before the corner posts are applied. J-Channel may be applied before or after Shelterwrap is applied, depending on the extension of the windows, or the desired appearance of the siding.

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