

R-Wrap® Protective Housewrap Technical Specifications Sheet

PRODUCT NAME

R-Wrap® Protective Housewrap

MANUFACTURER

Berry Plastics Tapes & Coatings Division

10351 Verdon Road

Doswell, VA 23047

T: 877.832.0333

www.berryplasticsbpg.com

PRODUCT DESCRIPTION

Basic Use: R-Wrap Protective Housewrap is a non-perforated polyolefin membrane that is installed beneath exterior siding to reduce air infiltration and act as a weather resistive barrier. R-Wrap Protective Housewrap is designed to provide a secondary line of defense against bulk water penetration and is not intended for use as a primary water barrier. Used in residential and commercial construction, installing housewrap on an entire home or structure is generally the most common industry practice.

Precautions and Limitations: Refer to individual code reports for the various findings and limitations applicable to the specific code areas of influence.

TECHNICAL DATA

Construction Specifications Institute Identification Codes:

Air Barriers 07270

Composition: R-Wrap Protective Housewrap is composed of non-perforated, high-quality, non-woven Polyolefin.

Standard Sizes: 120" x 150', 108" x 100'/150', 54" x 100'/150', and 36" x 150'.

Thickness: 0.009"

Tensile Strength (ASTM D-882):

32 lbs./inch MD, 32 lbs./inch CD

Water Vapor Transmission (ASTM E-96A): 59 perms

Air Porosity (TAPPI T-460): >1000

Air Permeance (ASTM E-2178-03):

< 0.001 L/s/m²

Flame Spread (ASTM E-84): Class A

Water Resistance (ASTM D779): Pass

Water Resistance (AATCC127): >220 cm

UV Exposure Rating: 120 days (4 months)

Basis Weight: 17.3 #/MSF, 2.49 oz./sq. yd.

CFC's used in production: none

Applicable Standards: R-Wrap Protective Housewrap is manufactured to meet the full intent of all major building codes. See evaluation reports: BOCA, ICBO, SBCCI, ICC-ES.

* Contact Berry Plastics Tapes and Coatings Division for a copy of the current active code evaluation reports.

Meets Fed. Spec. UU-B-790a Grade D

INSTALLATION

Step 1: Start 2-3 feet from a corner. Wrap around corner and continue nailing or stapling as you move around the house. Use fasteners that are long enough to penetrate into the stud or nail base material.

Step 2: Use enough fasteners to hold the wrap firmly in place by fastening it every 12"-18" along the vertical studs using large-headed or plastic cap nails or minimum 1" crown staples. You may install it over wood-based, foam-insulative, or fiberboard sheathing, and exterior gypsum board.

Masonry Construction (CMU): Masonry Tap-Con Fasteners with 2" diameter plastic cap fasteners should be used at a 12" to 18" vertical spacing and 24" horizontally spaced. A recommended adhesive may be used temporarily to attach the weather barrier at 24" on center vertical strips; coordination on the jobsite is recommended.

Note: A field inspection by a manufacturer representative is recommended on all commercial projects.

Step 3: Make an inverted "Y" cut in the wrap at window rough opening. Make diagonal cuts at top corners of rough opening.

Step 4: Fold the three flaps through the opening, fastening them inside with staples set about every 6 inches. Fold top flap back and fasten temporarily.

Step 5: Install the bottom flashing (when installing flashing) over the wrap.

NOTE: Berry Plastics recommends the use of a flashing material, such as OptiFlash® premium butyl rubber flashing, that meets or exceeds Federal Specification UU-B-790a, Grade A and is a minimum 6 inches in width.

Step 6: Install window. Flashing details around window: **A.** Install side flashing over side window flanges. **B.** Install head flashing over the top window flange and extend it out 3 to 4 inches over the side flashings. **C.** Bottom window flange should be over flashing, installed in Step 5. **D.** Remove temporary fasteners from top flap of housewrap, and apply over installed head flashing.

NOTE: Windows must be installed in accordance with each manufacturer's recommended guidelines and installation procedures.

Other Important Details:

- Install building wrap "shingle-lap" fashion (with the high piece lapped over the outside of the piece below).

- All horizontal overlaps of building wrap should be at least 4" and 6" for vertical overlaps.

- At roof sections, be careful to lap the building wrap over the entire top of any step flashed areas against the wall.

- Around exterior doors, follow the same flashing procedures as indicated in steps 5 and 6 for windows.

AVAILABILITY AND COST

Availability: Nationwide distribution facilities stock R-Wrap Protective Housewrap and provide prompt delivery to most local building material/lumber dealers. In addition, Berry Plastics field representatives are located in every part of the country to provide the best possible service.

Cost: R-Wrap Protective Housewrap is competitively priced. For specific information, contact a Berry Plastics representative.

WARRANTY

R-Wrap Protective Housewrap is backed by a 10 year limited warranty. Contact Berry Plastics Tapes and Coatings Division for more information.

MAINTENANCE

When applied in accordance with manufacturer's recommendations, R-Wrap Protective Housewrap will not require maintenance.

TECHNICAL SERVICES

Support is provided by full-time technically-trained field representatives and technical service personnel. In addition, Berry Plastics Tapes and Coatings is backed by a research, development and service staff.

For further information, literature or technical support, contact Berry Plastics at 877.832.0333.

Information contained in this bulletin conforms to the standard detail recommendations and specifications for the installation of R-Wrap Protective Housewrap and is presented in good faith. Berry Plastics assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents. Berry Plastics must approve any deviations from published literature, in writing, prior to application. Contact Berry Plastics Tapes and Coatings Division for most current product information.