

EasyPly Architectural Specifications

Description:

EasyPly® Roof Deck is a nailable UL Class C fire-rated structural roof deck. It is made of 3 plies of Homasote 440 structural board.

Uses:

EasyPly Roof Deck is designed for use as a structural load bearing deck in residential and commercial buildings. It can be applied over steel or wood framing and provides a nailbase surface to attach additional insulation, shingles and other finished roofing.

EasyPly Roof Deck is UL listed under file R-13681.

Load Table calculations are based on two or more continuous spans.

Panel Thickness	Max. Rafter Spacing for Live Loads of:		
	40 PSF	50 PSF	A-Frame
2 1/16"	48"	48"	48"

Spans are limited by 1/180 deflection expressed in lbs. per square foot of roof area projected on a horizontal plane and over two or more spans. PSF dead load assumed.

Typical Physical Properties:

Density, lbs./ft.	26-28
Tensile Strength, PSI	450-700
Hardness, lb. (Janka Ball)	230
Water Absorption by vol. (Max.) (2hrs. immers.)	5%
(24 hrs. immers.)	15%
Expansion from 50%-90% Rel. Hum. (Max.)	0.25%

Flame Spread Class III (or C) Flame Spread: 100, Smoke Developed: 230

Architectural Specification (Short Form)

All structural Roof Panels shall be EasyPly Roof Deck as manufactured by the Homasote Company, West Trenton, NJ, made of a composition of Homasote structural board. All panels shall be installed in accordance with current Homasote Company Instructions.

Installation instructions for this product are available from Homasote Company or via www.homasote.com
homasoteCOMPANY, Box 7240, West Trenton, NJ 08628-0240, Phone: (800) 257-9491,
www.homasote.com

For Technical Support call Ext. 1332 or e-mail techhelp@homasote.com

SPECIFICATIONS: EasyPly® Roof Decking

PART 1 GENERAL

1.1 Section Includes

A. Furnishing and installing factory fabricated and finished roof decking.

1.2 Related Sections

- A. Section 06100 - Rough Carpentry.
- B. Section 07311 - Asphalt Shingles.
- C. Section 07313 - Wood Shingles and Shakes.
- D. Section 07322 - Clay Roofing Tile.
- E. Section 07325 - Ceramic Slate Roofing.

1.3 References

- A. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
- B. Class III (or C)
- C. UL R16381.

1.4 Submittals

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's product and complete installation data for all materials in this specification.
- C. Shop Drawings: Prepared specifically for this project; show profiles, joining method, assembly details, adjacent construction interface, and dimensions.
- D. Installation Guide: Product manufacturer's written installation guide.

1.5 Quality Assurance

- A. Roof decking manufacturer shall certify that roof decking meets performance design criteria according to the following test standards:
 - 1. ASTM E 84.

1.6 Delivery, Storage, And Handling

- A. Deliver materials in the manufacturer's original sealed, labeled packaging.
- B. Store materials in a dry, well-vented area above ground on wooden pallets and covered.
- C. Inspect the materials upon delivery to assure that specified products have been received.
- D. Report damaged material immediately to the delivering carrier and note such damage on the carrier's freight bill of lading.
- E. Remove protective packaging immediately prior to installation.

1.7 Project Conditions

- A. Verify that other trades are complete before installing the roof decking.
- B. Ensure that mounting surfaces are straight and secure and that substrates are of proper material per roofing deck manufacturer.
- C. Refer to the construction documents, shop drawings, and manufacturer's installation instructions.
- D. Coordinate installation with roof membrane manufacturer's installation instructions. Decking installation must be followed immediately with finish roofing.
- E. Observe all appropriate OSHA safety guidelines for this work.

1.8 Warranty

- A. Manufacturer’s Standard Warranty: Materials shall be free of defects in material and workmanship for one year after shipment.
- B. If, after inspection, the manufacturer agrees that materials are defective, the manufacturer shall, at their option, repair or replace them.

PART 2 PRODUCTS

2.1 Manufacturers

- A. Acceptable Manufacturer: Homasote Company, P.O. Box 7240, West Trenton, NJ 08628-0240; Tel: (609) 883-3300, Fax: (609) 883-3497, Internet address: <http://www.homasote.com>; For local rep contact: Tech. office 1-800-257-9491 ext. 1332.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600. Proposed substitutions shall meet the performance and quality standards of this specification.
- C. Substitutions: Not permitted.

2.2 Roof Decking

Easy-ply® is a multiple-ply roof decking made of high density Homasote structural board with a surface of decorative white vinyl film which serves as both an interior finish and a vapor barrier.

Sizes Nominal

Thickness Nom.	Size	Weight (lbs./sq. ft.)	R-Value
2 1/16"	2' X 8' (1'11 1/8"x 7'11 7/8") actual	5	5

PART 3 EXECUTION

3.1 Examination

- A. Verify that the roof decking installation will not disrupt other trades.
- B. Verify that substrates is dry, clean, and free of foreign matter.
- C. Report and correct defects prior to any installation.

3.2 Preparation

- A. Submit design drawings for review and approval before installation.
- B. Check as built conditions and verify the manufacturer’s roof decking details for accuracy to fit the roof configuration.

3.3 Installation

- A. Comply with roof decking manufacturer’s current installation guide.
- B. Install roof decking in dry condition only.

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