

Manufacturer:

Georgia-Pacific Wood Products LLC
133 Peachtree Street NE
Atlanta, GA 30303

Description:

The **ForceField® Weather Barrier System** from Georgia-Pacific is an integrated water-resistive barrier (WRB) sheathing system that can be used across your wood framed residential, multi-family or light commercial construction from walls to sloped roofs.

Engineered wood sheathing panels made with DryGuard® Technology* and an enhanced overlay are at the core of this weather barrier system. ForceField® Panels install like standard OSB or plywood sheathing in walls and roof applications. ForceField® Accessories feature an innovative design, working with the panels to help achieve a continuous barrier that can help reduce weather-related interruptions.

When the system is used on walls and roofs, it helps keep your buildings dry and energy efficient, protecting your investment and reputation during construction and beyond.

Primary Uses:

ForceField Weather Barrier System may be used as a walls and roof sheathing for Type III B and Type V B Construction under the International Building Code and where permitted by local building codes. Where multiple layers of roofing underlayment are required, the ForceField Weather Barrier System may replace the first layer.

Available Sizes:

3'-11 1/8" (1.216 m) x 7'-11 1/8" (2.435 m) – sized for 4' x 8' applications
3'-11 1/8" (1.216 m) x 97 1/8" (2.466 m)

Building Code Performance Categories, Panel Thickness:
7/16 CAT, 0.418 (10.61 mm) – Span rating 24/16

Limitations:

Do not use abutted to general stone or masonry without providing a minimum of a 1 1/2" gap. Do not install ForceField Tapes in temperatures less than 20° F or if panel surface has frost or ice. Where multiple layers of a water-resistive barrier or roofing underlayment are required, the ForceField Weather Barrier System may replace the first layer.

For full list of limitations please refer to ForceField Weather Barrier System technical guide on www.gpforcefield.com.

Technical Data:

ForceField Panel meets Exposure 1 – OSB suitable for uses not permanently exposed to the weather. Panels classified as Exposure 1 are intended to resist the effects of moisture on structural performance as may occur due to construction delays, or other conditions of similar severity.

ForceField Panel meets applicable sections of ICC-ES AC 266, Acceptance Criteria for Wood structural panel roof sheathing factory laminated with an alternative

Sustainable Design Contributions:

- No added urea formaldehyde
- ForceField panels are made from wood sourced through a system that is third-party certified to the Sustainable Forestry Initiative® procurement standard

- Regional Materials: ForceField is made in the following locations: Clarendon, SC; Fordyce, AR; Hosford, FL.

ForceField Weather Barrier System Installation Walls and Sloped Roof Installation Instructions

For full installation instructions and details, refer to the full ForceField Weather Barrier System Residential and MultiFamily Installation Guides.

Installing the Roof Panels: When installing the ForceField Panels on the roof, orient the panel so the gray weather barrier side faces out and long direction (8') is perpendicular to the roof trusses or rafters and spans a minimum of three supports. The short edge (4') of the panel should be centered over a framing member and staggered a minimum of 24" from the adjacent panels.

Use a minimum 8d common nail spaced 6" o.c. along and 3/8" from all panel edges and 12" o.c. at intermediate supports and as may be additionally needed to ensure all design criteria and local building code requirements. If pneumatic nail guns are used, be sure to set air pressure to drive nail heads flush.

Installing the Wall Panels: When installing the Forcefield Panels on the walls Align the wall panel either vertically or horizontally with the framing so the gray overlay side of the ForceField® Panels faces out. Spacing of 1/8" between the panels should be maintained at all edges and end joints. Fasten panels according to project specifications and local building code requirements. General fastening guidelines for wood sheathing are to use a minimum 6d common nail spaced 6" o.c. along panel edges and 12" o.c. at intermediate supports. If pneumatic nail guns are used, be sure to set air pressure to drive nail heads flush. If your pneumatic tool does not have an adjustment for fastener depth, flush drive attachments are recommended. Guidelines are included on the panel surface to aid in locating supports for nailing.

* Features described here may not be available in all geographic markets. Consult your Georgia-Pacific Company sales office or representative for more information.
** DensDefy™ Liquid Flashing by Georgia-Pacific may also be used for treating rough openings, penetrations, material transitions.

Submittal Approvals

Job Name _____

Contractor _____

Date _____

continued →

Taping or Treating Around Openings, Penetrations, and Material

Transitions: ForceField® Seam Tape Plus or a GP approved alternative must be used around openings, penetrations, and material transitions. Substitutions are not covered by the Georgia-Pacific limited warranty. Always be sure to follow local building code requirements. Use a J-roller to ensure proper bonding contact and smooth out any wrinkles to ensure full tape to panel contact. DensDefy™ liquid flashing is approved for use with the ForceField Weather Barrier System. See additional information on DensDefy™ liquid flashing and DensDefy™ transition membrane at www.densdefy.com.

Storage and Handling*

Handling in Transit: Take precautions to protect panel ends and edges during shipment. If ForceField panels are shipped on open truck beds, cover them with a tarp.

Storage on the Jobsite: Whenever possible, store ForceField panels under a roof. Use pieces of lumber to weight down the top panel in a stack to reduce warpage from humidity. If moisture exposure is expected, cut steel bands on

bundles to prevent edge damage. Outside Storage: If ForceField panels must be stored outside, stack them on a level platform supported by at least three 4x4s to keep them off the ground. Place one 4x4 in the center and the other two 12 to 16 inches from the ends. Never leave panels or the platform in direct contact with the ground. Cover the stacks loosely with plastic sheets or tarps. Anchor the covering at the top of the stack, but keep it open and away from the sides and bottom to ensure good ventilation. Tight coverings prevent air circulation and when exposed to sunlight may promote mold or mildew.

Warranty

For terms and conditions, please refer to Georgia-Pacific's 10 year transferable** limited warranty for ForceField Weather Barrier System available at www.warranty.gpforcefield.com.

* For installation and limitations refer to the ForceField Weather Barrier System Installation Guide.

** Transferable to subsequent building owner only.

ForceField Weather Barrier System Performance Properties

Panel Exposure Durability Classification	DOC PS 2	Exposure 1
Panel Grade	DOC PS 2	7/16 CAT ¹
Water Resistive Barrier	ICC ES AC 310	Meets/exceed requirements
Surface Bond of Overlay to Panel	ASTM D5651	>16 psi
Water Penetration	ASTM E331	Pass
Water Vapor Transmission	ASTM E96 (Water Method)	>2.75 perms for laminated panel
Air Permeance of Assembly	ASTM E 2357	.0009 cfm/ft2@75 pa
Surface Burning Characteristics	ASTM E84	Meets Class III

1. Contact your Georgia-Pacific field representative directly or call 1-866-249-3639 for all available panel grades.

ForceField Seam Tape and Flashing Tape

Seam Tape Evaluation	PSTC 31 Tensile Strength	20 lbs/in (90.4N/25mm)
	PSTC 31 Elongation	130%
	Minimum application temperature	20 degrees F (-6.7 degrees C)
	Maximum application temperature	180 degrees F (82 degrees C)
Seam Tape Plus Evaluation	ASTM D1970 Tensile Strength	1000 PSI
	ASTM D1970 Elongation	600%
	ASTM D1922 Tear Strength	100 grams
	ASTM D3330 Peel Adhesion	Pass
	ASTM D1970 Nail Sealability	Pass
	Minimum application temperature	20 degrees F (-6.7 degrees C)
	Maximum application temperature	80 degrees F (82 degrees C)
AT Flashing Evaluation	ASTM C765 Low temperature pliability	Pass
	ASTM D1970 Nail Sealability	Pass
	ASTM D3330 Peel Adhesion	Pass
	Minimum application temperature	20 degrees F (-6.7 degrees C)
	Maximum application temperature	180 degrees F (82 degrees C)
Flex Flashing Evaluation	ASTM C903 Low Temperature Flexibility	Pass
	ASTM D1970 Nail Sealability	Pass



SALES INFORMATION AND ORDER PLACEMENT
U.S.A.: **866-249-3639**

TECHNICAL INFORMATION
U.S.A. and Canada: **800-225-6119**



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WARRANTIES AND TERMS OF SALE For current warranty information, please go to www.buildgp.com/warranties and select the applicable product. All sales by Georgia-Pacific are subject to our Terms of Sale available at www.buildgp.com/tc.

PRECAUTIONS For product fire, safety and use information, go to www.buildgp.com/safetyinfo or call 1-800-225-6119.

HANDLING AND USE Refer to SDS for instructions on safe handling and use of the product here: buildgp.com/forcefield/resources/.

UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our website at gpforcefield.com for updates and current information.