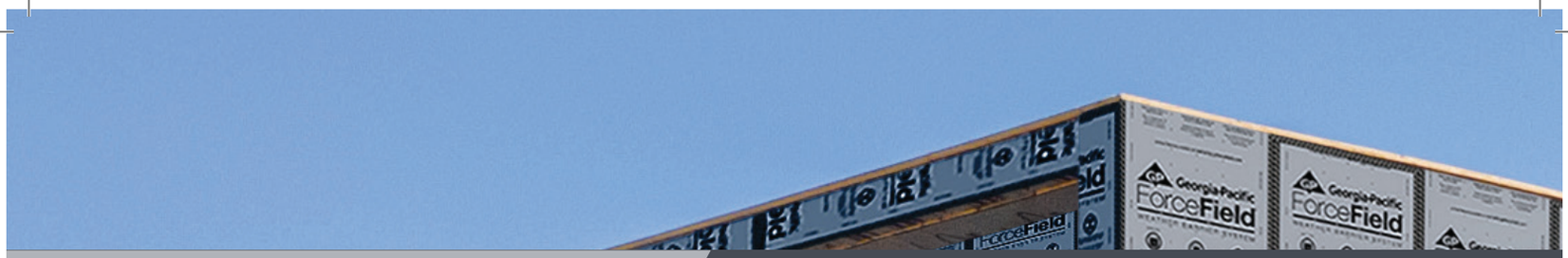


Georgia-Pacific ForceField®
WEATHER BARRIER SYSTEM

TECHNICAL GUIDE

FORCEFIELD® WEATHER BARRIER SYSTEM

Product Overview

ForceField® Weather Barrier System from Georgia-Pacific is an integrated water-resistive barrier (WRB) sheathing system that can be used across wood-framed structures from walls to sloped roofs. Ideal for residential, multifamily or light commercial construction, ForceField Weather Barrier System reduces the number of trips around the building compared to traditional systems.

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 and have the versatility to be used on both wall and sloped roof applications. ForceField® Accessories feature an innovative design and proven compatibility to make critical connections at seams, joints and transitions for walls and sloped roofs. When panels are installed, and joints/seams are taped, uncontrolled air movement is reduced, which can help improve the structure's energy efficiency.

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

When the weather barrier system is used on walls and roofs, it helps keep structures dry and energy efficient, protecting a builder's investment and reputation during construction and beyond.

Summary of Benefits

ForceField Panels and proprietary overlay are factory bonded together to create a fully integrated sheathing. While the overlay creates a barrier that helps keep water out, it doesn't affect the permeability of the panel itself, which allows water vapor to escape and promotes drying. Once the panels are installed, and the seams and rough openings are taped and treated, the ForceField Weather Barrier System helps prevent uncontrolled air movement, which helps create a more energy-efficient structure. When the panels are up, you'll also have the satisfaction of having the best-looking jobsite around. ForceField Weather Barrier System Panels come in 8-foot, 9-foot or 10-foot lengths to help installation move at a rapid pace.

Physical Properties: ForceField Weather Barrier System

ForceField Panels meet 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 it may occur due to construction delays, or other conditions of similar severity.

For increased racking performance related to shear wall, cross panel strength and stiffness, a Structural 1 ForceField Panel is available. Consult your Georgia-Pacific company sales office or representative for more information.

ForceField Weather Barrier System is recognized by the APA – The Engineered Wood Association Product Report PR-N136 as conforming to the requirements of the International Residential Code (IRC) and International Building Code (IBC) for use as a structural wood sheathing, roof underlayment, water-resistive barrier and air barrier.

ForceField Weather Barrier System Performance Properties

System Properties	Test	Results
Panel Exposure Durability Classification	DOC PS 2	Exposure 1
Panel Grade**	DOC PS 2	7/16 CAT
Water-Resistive Barrier	ICC ES AC 310	Meets/Exceeds requirements
Surface Bond of Overlay to Panel ASTM	D5651	>16psi
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 II
Drainage Efficiency	E2273-18	>90%

* Features described here may not be available in all geographic markets. Consult your Georgia-Pacific company sales office or representative for more information.

** Contact ForceField sales for additional panel grade offerings.

Table of Contents

Product Overview 2

Summary of Benefits . . . 2

Physical Properties 2

Components 3

Sustainability 7

ForceField Weather Barrier System and Sustainability in Practice 7

Wall Installation Instructions 8

Wall Applications 9

Sloped Roof Installation Instructions 14

Sloped Roof Applications 15

Delivery, Handling and Storage. 16

Recommendations and Limitations for Use 17

Limited Warranty 18

Components

ForceField® Seam Tape

A pressure-sensitive polymeric film with an acrylic adhesive for sealing joints and panel seams in the ForceField® Weather Barrier System wall application. ForceField Seam Tape is serrated for easy tearing and is ideal for residential construction projects.

Roll Size: 3" x 180'

Thickness: Minimum 0.003"

Packaging: 8 rolls per case

Typical Characteristics		
Test	**Results**	**Method**
Tensile Strength	20lbs/in (90.4 N/25mm)	PSTC 131
Elongation	130%	PSTC 131

Temperature Resistance	
Minimum Application Temp	20 degrees F (-6.7 degrees C)

ForceField® Seam Tape Plus

High-performance polypropylene film with a proprietary adhesive offering excellent durability and tear resistance once installed. With its increased breaking strength and elongation, ForceField Seam Tape Plus is recommended for exterior wall applications in multi-family and light commercial projects greater than two stories.

Roll Size: 3.5" x 90'

Thickness: Minimum 0.006"

Packaging: 12 rolls per case

Typical Characteristics		
Test	**Results**	**Method**
Tensile Strength	1000 PSI	ASTM D1970
Elongation	600%	ASTM D1970
Tear Strength	100 grams	ASTM D1922
Peel Adhesion	Pass	ASTM D3330
Nail Sealability	Pass	ASTM D1970

Temperature Resistance	
Minimum Application Temp	20 degrees F (-6.7 degrees C)

ForceField® Premium Tape

A high-performance, self-adhered tape made from a proprietary film with an acrylic adhesive. ForceField Premium Tape can be used to treat roof/wall panel seams.

Roll Size: 3.75" x 90'

Thickness: Minimum 0.0145"

Packaging: 12 rolls per case

Typical Characteristics		
Test	**Results**	**Method**
Peel Adhesion to Plywood	≥ 5	ASTM D3330 (73.4°F and 50% RH)
Peel Adhesion to OSB	≥ 5	ASTM D3330 (73.4°F and 50% RH)
Peel Adhesion to PVC	≥ 5	ASTM D3330 (73.4°F and 50% RH)
Peel Adhesion to Aluminum	≥ 5	ASTM D3330 (73.4°F and 50% RH)
Tensile Strength	1072 PSI	ASTM D412 Meth A
Elongation	800%	ASTM D1970*
Nail Sealability	Pass	ASTM D1970*

Temperature Resistance	
Minimum Application Temp	20 degrees F (-6.7 degrees C)

AT Flashing

A pressure-sensitive block copolymer adhesive-based product designed to adhere to construction surfaces without primer or conditioning. It is used for sealing penetrations, rough openings and material transitions, and provides protection from air and moisture.

Roll Size: 4" x 75'

Thickness: Minimum 0.012"

Packaging: 4 rolls per case

Typical Characteristics		
Test	**Results**	**Method**
Low Temp Pliability	Pass	ASTM C765
Nail Sealability	Pass	ASTM D1970
Peel Adhesion	Pass	ASTM D3330

Temperature Resistance	
Minimum Application Temp	20 degrees F (-6.7 degrees C)

ForceField® Flex Tape

Available in 6" and 9" widths, ForceField Flex Tape is a conformable self-adhered flashing tape ideal for work around windows and other curved openings on construction sites. It can be used on window flanges, sill plates, corners and joints to improve air and moisture holdout. It is a two-ply oriented high-density film mated to a premium butyl rubber adhesive and release sheet.

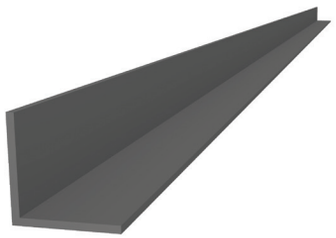
Roll Size: 6" x 75'
9" x 75'

Thickness: Minimum 0.012"

Packaging: 2 rolls per case

Typical Characteristics		
Test	**Results**	**Method**
Low Temp Flexibility	Pass	ASTM D903
Nail Sealability	Pass	ASTM D1970

ForceField® Corner Seal



An innovative solution from Georgia-Pacific to help protect your home or building against air and water intrusion in some of the most difficult areas to treat. The product is 4" wide and made of semi-rigid polypropylene, with a "living hinge" that allows it to be used for both inside and outside exterior corners. Once installed, the ForceField Corner Seal helps provide additional protection against air and moisture intrusion in traditionally some of the most difficult areas of a home to seal.

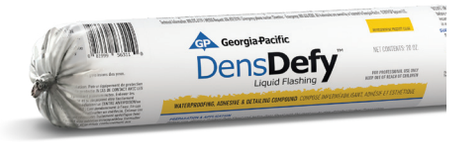
Roll Size: 4" x 200'

Thickness: 0.03"

Packaging: 1 roll per case

DensDefy® Liquid Flashing and Transition Membrane

DensDefy Liquid Flashing is a waterproofing and detailing compound made with STP Technology that seals rough openings and penetrations in new or existing wall assemblies. DensDefy Liquid Flashing creates an elastomeric flashing membrane which is highly durable.



Packaging: Available in a 20 oz. sausage for professional gun application

DensDefy Transition Membrane is a 25-mil composite impermeable membrane that is comprised of 16 mils of butyl adhesive and 9 mils of HDPP facer. It is primarily used as a transitioning accessory between dissimilar materials.

Packaging: 75′ rolls available in 3 widths

Length: 75′ (22 m)

Width: 6″ (15 cm) 8 rolls/box
9″ (22 cm) 4 rolls/box
12″ (30 cm) 4 rolls/box

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Georgia-Pacific Building Products Sustainability

Georgia-Pacific's definition of sustainability is meeting the needs of society today without jeopardizing our ability to do so in the future. We are committed to using resources efficiently to provide innovative products and solutions that meet the needs of customers and society while operating in a manner that is environmentally and socially responsible, as well as economically sound.

We continue to focus on:

- Improving energy efficiency at our manufacturing plants
- Seeking out opportunities to reduce water use, and to reuse water more efficiently
- Finding cost-effective ways to further reduce air emissions
- Recovering and reusing materials that otherwise would end up in landfills

Green building codes, standards and programs are establishing themselves across the country. They promote the use of products that contribute to the performance of the building, along with minimizing environmental and human health impacts over the life of the building or home. Because we embrace product performance and operate in an environmentally, socially and economically sound manner, owners and architects can feel good about the structures they build using our products.

Call the Technical Services Hotline for more information regarding sustainability.

ForceField® Weather Barrier System and Sustainability in Practice

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 Panels are made in the following locations: Clarendon, SC; Fordyce, AR; Hosford, FL

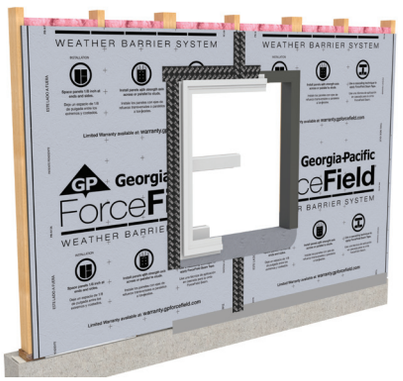
Wall Installation Instructions

For full installation instructions and details, refer to the full ForceField® Weather Barrier System installation guide.

Nailing the Panels:
The gray overlay side of ForceField® Panels should face outside of the frame. Spacing of 1/8" should be maintained at all edges and end joints. 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 or a maximum 1/16" below the panel surface to avoid loss of nail holding and shear strength, and to avoid creating a potential point of water entry. Flush drive attachments are recommended when using a pneumatic nail gun. Guidelines are included on the panel surface to aid in locating supports for nailing.

Taping the Panel Seams:
ForceField® Seam Tape Plus from Georgia-Pacific must be used to seal the seams between sheathing panels. Substitutions are not covered by Georgia-Pacific's limited warranty. For best performance results, immediate sealing of joints and seams with tape is required. Before the application of tape, ensure that the sheathing surfaces are free from frost, moisture, dust, dirt and other bond-inhibiting materials. Center the tape over the seam. ForceField® Seam Tape Plus is a contact tape requiring pressure to adequately seal. Apply firm pressure on the ForceField Seam Tape Plus with your hand to ensure that a continuous bond is achieved between the tape and the panel surface and to eliminate wrinkles and air bubbles. As a best practice, use a J-roller over the tape after hand application. Whenever tape splices occur, a 2" overlap should be used. Sequence tape application such that the vertical tape is overlying the horizontal joint tape to ensure a shingle-type application. At T-joints, the tape should overlap by 2".

Taping or Treating Around Openings, Penetrations and Material Transitions:
AT Flashing or a GP-approved alternative should be used around openings, penetrations and material transitions. 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™ Products are approved for use to treat rough openings, material transitions and penetrations in the ForceField Weather Barrier System. See additional information on DensDefy® Liquid Flashing and DensDefy® Transition Membrane at densdefy.com.



CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Wall Applications

Panel Installation

ForceField® Seam Tape Plus from Georgia-Pacific must be used to treat the seams between sheathing panels. Substitutions are not covered by the Georgia-Pacific limited warranty. For best performance results, immediate sealing of joints and seams with tape is required. Before the application of tape, ensure that the sheathing surfaces are free from moisture, frost, dirt and other bond-inhibiting materials.

A. Insulation

B. Framing

C. ForceField® Panel

D. ForceField Seam Tape Plus

E. DensDefy® Liquid Flashing

Penetrations

Before the application of DensDefy Liquid Flashing, ensure that the panel and adjacent surface is mechanically secured and free from moisture, frost, dust, dirt and other bond-inhibiting materials. If the gap between materials is over 1/4 in., fill the gap between the ForceField Panel and adjacent materials with a backer rod. Apply DensDefy Liquid Flashing over the ForceField Panel and adjacent material in a zig-zag or ribbon pattern. Using a straight edge tool, spread DensDefy Liquid Flashing over the material transition joint. Apply at a rate to achieve a minimum thickness of 16 wet mils. Ensure the flashing is applied a minimum of 2 in. on each substrate material surface.

A. Insulation

B. Framing

C. ForceField Panel

D. ForceField Seam Tape Plus

E. DensDefy Liquid Flashing

Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project.

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Lapped Vinyl Siding:

Lapped siding should be installed in accordance with the manufacturer's written instructions and local building code requirements. For best practice, a drainage medium such as a rainscreen drainage mat should be used behind the siding to promote proper drainage.

A. Insulation

B. Framing

C. ForceField® Panel

D. ForceField® Seam Tape Plus

E. DensDefy® Liquid Flashing

F. Rigid Flashing by Others

G. Rainscreen Drainage Mat (Minimum 1/4" (6 mm) Gap)

H. Vinyl Starter Track with Weep Holes

I. Lapped Vinyl Siding

Conventional Stucco:

Stucco systems may be applied over ForceField® Weather Barrier System. Install the stucco system in accordance with the manufacturer's instructions and local building code requirements. For best practice, the system should be properly designed and installed to promote drainage.

A. Insulation

B. Framing

C. ForceField Panel

D. ForceField Seam Tape Plus

E. DensDefy Liquid Flashing

F. Weep Screed by Others

G. Rainscreen Drainage Mat (Minimum 1/4" (6 mm) Gap)

H. Felt Paper-Backed Metal Lath by Others

I. Conventional Stucco System

Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project.

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Exterior Insulation and Finish Systems (EIFS)

ForceField® Weather Barrier System is an ideal substrate for mechanical application of expanded polystyrene (EPS) or extruded polystyrene insulation in EIFS applications. May eliminate the need for EIFS manufacturer's air- and water-resistive barrier coatings. EIFS should be installed in accordance with the EIFS manufacturer's written warranty.

A. Insulation

B. Framing

C. ForceField® Panel

D. ForceField® Seam Tape Plus

E. DensDefy® Liquid Flashing

F. Starter Track with Weeps by Others

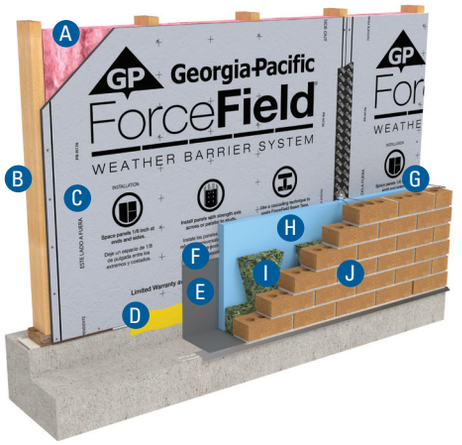
G. Rainscreen Drainage Mat (Minimum 1/4" (6 mm) Gap)

H. Expanded Polystyrene Insulation – mechanically attached

I. Reinforcing Mesh Embedded in Base Coat

J. Finish Coat

Brick Cavity Wall



Masonry can be applied over ForceField Weather Barrier System just as it would be over any other type of sheathing. Brick ties should be installed in accordance with the manufacturer's written installation instructions and local building code requirements. Apply continuous insulation as required by the building code or design authority. Brick veneer should be installed with at least a 2" air gap between the veneer and the wall sheathing.

A. Insulation

B. Framing

C. ForceField Panel

D. DensDefy Liquid Flashing

E. Through-Wall Flashing by Others

F. Termination Bar by Others

G. Masonry Tie

H. Extruded Polystyrene Insulation

I. Mortar Deflection

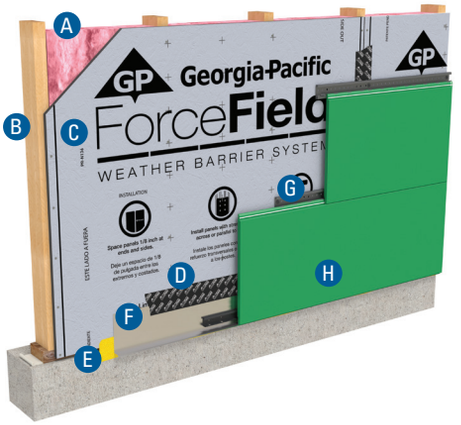
J. Brick Veneer

Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project.

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Fiber Cement Panel

ForceField® Weather Barrier System can be used in applications behind a variety of rainscreen assemblies. Rainscreen subframes should be installed in accordance with the manufacturer's installation recommendations and code requirements.



A. Insulation

B. Framing

C. ForceField® Panel

D. ForceField® Seam Tape Plus

E. DensDefy® Liquid Flashing

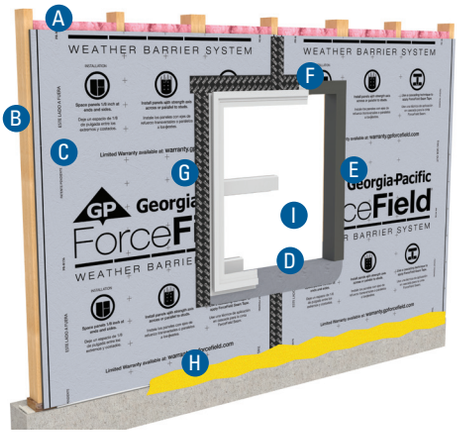
F. Rigid Flashing by Others

G. Rainscreen Sub-Framing

H. Fiber Cement

Flanged Window

AT Flashing can be used for window and door openings, penetrations and terminations of the exterior wall or where moisture could potentially enter the wall cavity. Always be sure to follow applicable local building code requirements and industry best practices.



A. Insulation

B. Framing

C. ForceField Panel

D. ForceField® Flex Flashing Tape

E. AT Flashing Tape

F. Flanged Window by Others

G. ForceField Seam Tape Plus

H. DensDefy Liquid Flashing

Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project.

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Non-Flanged Window:

A. Insulation

B. Framing

C. ForceField® Panel

D. ForceField® Seam Tape Plus

E. ForceField® Flex Flashing Tape

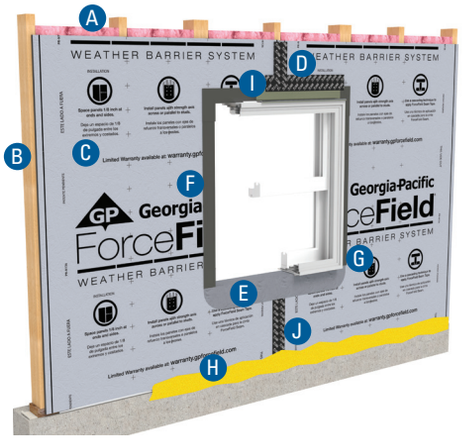
F. AT Flashing

G. Non-Flanged Window by Others

H. DensDefy® Liquid Flashing

I. Head Flashing by Others

J. ForceField Seam Tape Plus



Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project.

CAUTION: For product fire, safety and use information, go to buildgp.com/safetyinfo.

Sloped Roof Installation Instructions

For full installation instructions and details, refer to the full ForceField® Weather Barrier System installation manual.

Installing the Panels:
When installing 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 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 or a maximum 1/16″ below the panel surface to avoid loss of nail holding and shear strength, and to avoid creating a potential point of water entry. Flush drive attachments are recommended when using a pneumatic nail gun. Guidelines are included on the panel surface to aid in locating supports for nailing.

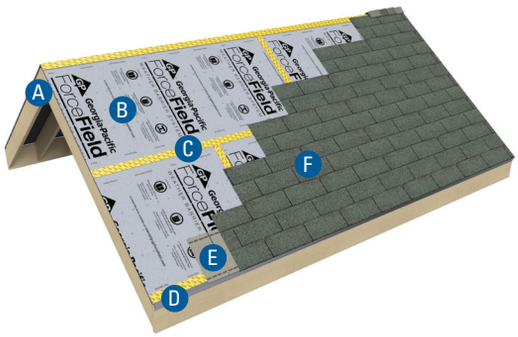
Taping the Panel Seams:
ForceField® Premium Tape from Georgia-Pacific must be used to seal the seams between sheathing panels. Substitutions are not covered by Georgia-Pacific's limited warranty. For best performance results, immediate sealing of joints and seams with tape is required. Before the application of tape, ensure that the sheathing surfaces are free from frost, moisture, dust, dirt and other bond-inhibiting materials. Center the tape over the seam. ForceField Premium Tape is a contact tape requiring pressure to adequately seal. Apply firm pressure on the ForceField Premium Tape with your hand to ensure that a continuous bond is achieved between the tape and the panel surface and to eliminate wrinkles and air bubbles. As a best practice, use a J-roller over the tape after hand application. Whenever tape splices occur, a 2″ overlap should be used. Sequence tape application to ensure a shingle-type application. At T-joints, the tape should overlap by 2″.

Sloped Roof Applications

Important: Applications are presented for illustration only and may not be appropriate for all projects, conditions or components. Please consult an appropriate professional for design and detailing of the project. Georgia-Pacific does not provide roof design services.

Asphalt Shingles

Roofing system installed per manufacturer's and local building code requirements.



A. Roof Truss/Rafter

B. ForceField® Panel

C. ForceField® Premium Tape

D. Drip Edge

E. StarterCourse/Strip

F. Shingles

For additional roof coverings, contact technical services.

Delivery, Handling and Storage

All ForceField® Weather Barrier System materials will be delivered in their original bundles or packaging. The plastic packaging used to wrap wood sheathing products for rail and/or truck shipment is intended to provide temporary protection from moisture exposure during transit only and is not intended to provide protection during storage after delivery. Such plastic packaging must be removed immediately upon receipt of the shipment. Failure to remove protective plastic shipping covers can result in condensation, which can lead to damage.

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 weigh 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.

Accessory Storage:

Store ForceField® Tapes in a dry, cool place out of direct sunlight. Recommended two-year shelf life.

Warranty:

ForceField Weather Barrier System is resistant to normal weather conditions. It is not intended for use as a cladding system, long-term outdoor exposure or immersion in water. Water should always be directed away from the ForceField Weather Barrier System.

10-Year Limited Warranty from Georgia-Pacific:
May be exposed to normal weather conditions for up to 90 days in roof applications and 180 days in wall applications.

Recommendations and Limitations for Use

The following recommendations and limitations are important to ensure the proper use and benefits of ForceField® Weather Barrier System. Failure to strictly adhere to such recommendations and limitations may void the limited warranty provided by GP Building Products for such products. For details, please go to warranty.gpforcefield.com.

- Unsupported 7/16" ForceField® Panels spanning more than 16" requires panel edges blocked or have H-clips installed midway between the roof trusses or rafters. The use of H-clips or edge blocking does not increase the maximum allowable loads of the roof.
- ForceField Panels are intended for roofs with 2/12 pitch or greater.
- Do not use ForceField Panels abutted to general stone or masonry without providing a minimum of a ½" gap.
- Do not install ForceField Weather Barrier System in temperatures less than 20°F or if a panel surface has frost or ice.
- Where multiple layers of water-resistive barriers or underlayment are needed, ForceField Weather Barrier System may replace only the first layer.
- ForceField Weather Barrier System is not an ice barrier. Where ice barriers are required, the ice barrier should be installed over the ForceField Weather Barrier System.
- ForceField® Tapes are not recognized as a replacement for rigid, metal or other roof/wall flashings prescribed by others.
- ForceField Weather Barrier System is resistant to normal weather conditions for up to 180 days for walls and 90 days for roofs. It is not intended for use as an ice barrier, finished roof covering or cladding system, long-term outdoor exposure or immersion in water. Water should always be directed away from the ForceField Weather Barrier System.
- Avoid conditions that will create moisture in the air and condensation within the exterior walls or roof supports. This precaution is especially important during periods when the exterior and interior temperature differentials may result in condensation. The use of forced air heaters creates volumes of water that, when not properly vented, can condense on building materials. The use of heaters and any resulting damage is not the responsibility of Georgia-Pacific. Consult heater manufacturer for proper use and ventilation.
- Do not attach cement board panels directly to ForceField Panels. ForceField Weather Barrier System is not intended for interior applications or as a substrate for adhered exterior tile, stone or brick.
- Fasteners must be driven into framing and be flush with the face, not countersunk.
- Exterior wall or roof assembly design details including, but not limited to, cladding attachments, control joints, material transition details, window and door integration, and drainage establishment product, per the project specification, must be properly installed.
- Transitions and penetrations must be properly sealed, taped or flashed.
- ForceField Panels should not be glued to framing members or roofing supports. Do not install ForceField Panels on a horizontal surface; ensure panels are sloped to prevent ponding and pooling.
- Do not install ForceField Weather Barrier System below grade.
- All damages to the facer or vacated fastener holes must be repaired prior to installing the cladding or roofing system.
- When reroofing or replacing the roof on an installed ForceField Weather Barrier System, an additional weather-resistant barrier or underlayment must be installed prior to installing the new roof assembly.
- Do not use DensDefy® Liquid Flashing as a structural sealant.
- DensDefy Liquid Flashing should not be used as a through-wall flashing.
- DensDefy Liquid Flashing and DensDefy® Transition Membrane application temperature above 25°F (-4°C) and rising.
- DensDefy Transition Membrane is not intended for dynamic joints. For gaps wider than 1", contact GP Technical Services.
- For a full list of DensDefy™ Product limitations, refer to product bulletins on DensElement.com.

Disclaimer: Georgia-Pacific does not warrant and is not responsible or liable for the performance of any cladding, roof, cladding system or roof assembly that is attached or adhered to the ForceField Weather Barrier System. The compatibility of any cladding system or roofing assembly is the responsibility of the cladding or roofing manufacturer or design authority.

Limited Warranty

GP Building Products provides a limited warranty for the ForceField® Weather Barrier System as part of the original building envelope of a residential or commercial property. For a full copy of the ForceField Weather Barrier System Limited Warranty, go to warranty.gpforcefield.com and click on warranty tab.

Georgia-Pacific
Building Products

SALES INFORMATION AND ORDER PLACEMENT
U.S.A.: **866.249.3639**

TECHNICAL HOTLINE
U.S.A. and Canada: **800.225.6119**

SUSTAINABLE FORESTRY INITIATIVE
SFI-00007

U.S. GREEN BUILDING COUNCIL MEMBER

WARRANTIES AND TERMS OF SALE – For current warranty information, please go to warranty.gpforcefield.com. All sales by Georgia-Pacific are subject to our Terms of Sale available at buildgp.com/tc.

PRECAUTIONS – For product fire, safety and use information, go to buildgp.com/safetyinfo or call 800.225.6119.

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