



Structural  
Solutions

**PROVEN TO DEFEND  
YOUR BUILD®**



**PRODUCT GUIDE**



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# WHY LP STRUCTURAL SOLUTIONS?

## BUILDING FOR A MORE RESILIENT FUTURE

With the world in a constant state of change, builders need building products that rise to every challenge. They need products that offer solutions for a variety of weather conditions that threaten their structures. At LP Structural Solutions, we are uniquely positioned to help builders meet those challenges head-on. As a leader in high-performance building solutions, we engineer innovative, resilient products with standing up to the elements in mind. You can count on LP Structural Solutions to engineer new solutions that help you Defend Your Build® in an ever-changing world.



For more information, visit [LPCorp.com/StructuralSolutions](https://www.lpcorp.com/StructuralSolutions)

## THE PORTFOLIO APPROACH

The LP® Structural Solutions product portfolio offers builders a solution for every need, from exceptional strength and moisture management to flame resistance and radiant barriers. Designed for durability and compatibility, our innovative suite of products helps you build to a stronger and tighter building envelope for greater resiliency. But we're not stopping. It's not enough for us to have the most advanced products today. We're always listening to your needs and developing solutions to tackle the tests of tomorrow.



## OSB

# STRUCTURAL SOLUTIONS START WITH OSB INNOVATION

Oriented Strand Board (OSB) technology is the foundation for all of our solutions. With this technology embedded into the LP® Structural Solutions product portfolio, we're providing products that allow you to build more sustainable, resilient and energy-efficient structures. Created from an economical and sustainable source, LP is constantly pushing what is possible and taking this technology to the next level. When it comes to defending your build, this is where it all begins.



### DESIGNED TO GO A LONG WAY

LP® LongLength™ and LongLength™ XL OSB Sheathing panels are engineered to provide strength while reducing costs for builders who are looking for vertical installation in tall wall applications. With lengths up to 10 feet, LP LongLength sheathing requires fewer panels to get the job done. Plus, it helps builders to meet code in many wind and seismic zones in less time and with less hardware.

- Helps lower building costs
- Provides optimal wall construction
- Reduces waste and labor time
- May help meet code in wind and seismic zones
- 20-year transferable limited warranty

### OUR ORIGINAL OSB

LP® OSB Sheathing is designed for consistent performance and stability. Our OSB is made with wood strands blended with thermal-set water-resistant adhesives, arranged in cross-directional layers, and formed under extreme pressure, creating a stiff, strong and durable panel.

- Installs consistently flat and stable
- Uniform, workable and strong
- Built to resist warping or splitting
- Wood sourced through programs certified under the Sustainable Forestry Initiative®
- 20-year transferable limited warranty



# EXCEPTIONAL STRENGTH

People choose OSB for its workability and consistent strength. As the pioneers in this technology, we've continued to push what's possible. As the building industry keeps relying on stronger and stiffer products, LP keeps innovating. The result is a portfolio of products that goes beyond what traditional OSB provides and gives you materials that provide exceptional strength at every point of the build.



## PROVEN TO BE ONE OF THE STIFFEST SUB-FLOORS ON THE PLANET.

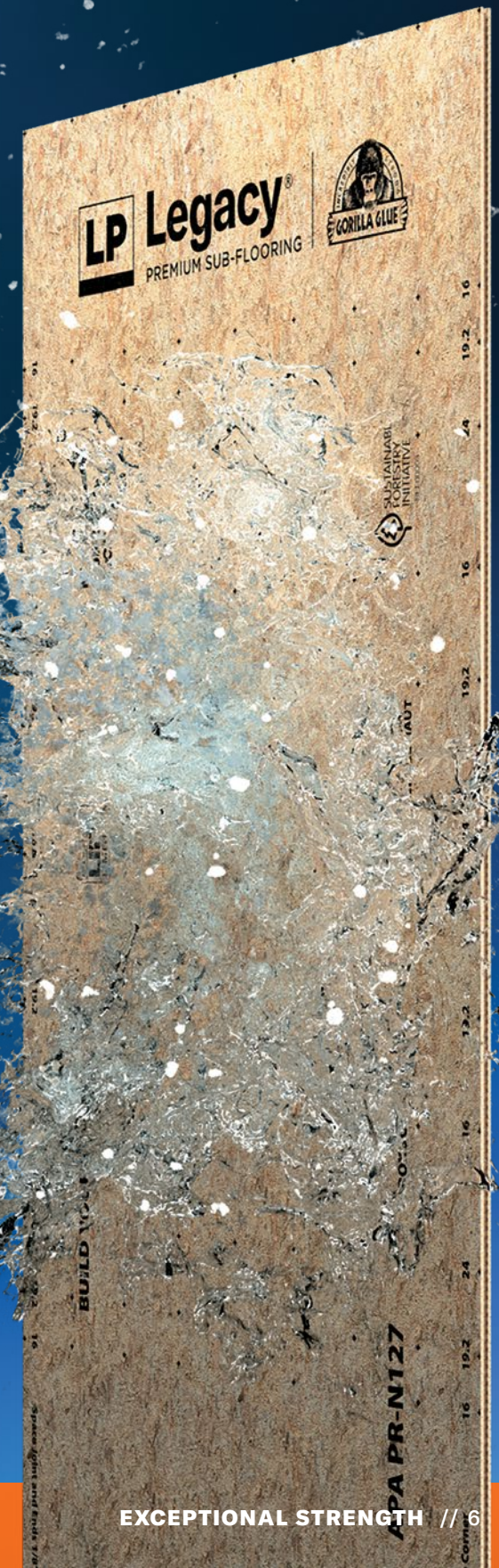
Made with Gorilla Glue Technology®, LP Legacy® Premium Sub-Flooring is packed with more strands, resin and wax. The result is a sub-flooring panel with exceptional stiffness and moisture resistance. It's also why we can offer an industry-leading Covered Until It's Covered® no-sand warranty.



EXCEPTIONAL  
STRENGTH



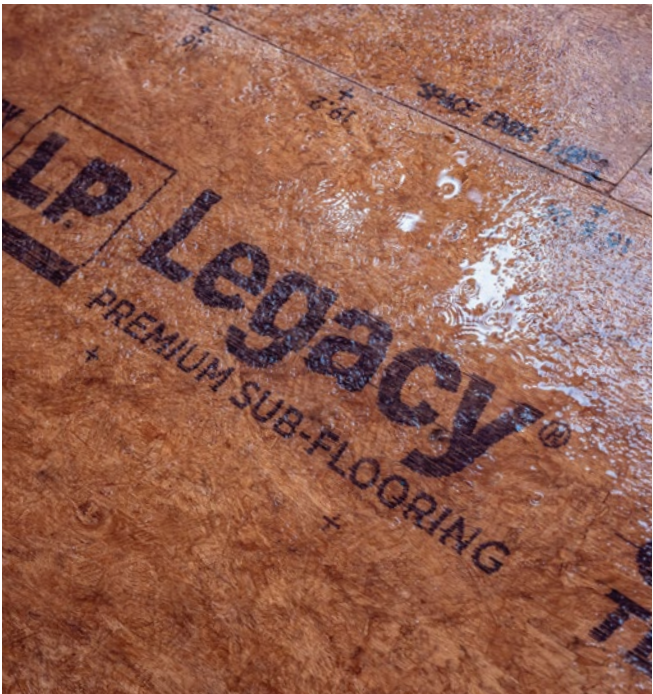
MOISTURE  
RESISTANCE





# LP LEGACY® PREMIUM SUB-FLOORING

LP Legacy® Premium Sub-Flooring is designed to go above and beyond industry standards. APA-certified to have exceptional stiffness and strength, LP Legacy panels are one of the most durable panels designed for the toughest sub-floor applications.



**Gorilla Glue Technology®:** Wood strands are coated with water-resistant resins using Gorilla Glue Technology for exceptional stiffness and help provide resistance to moisture and edge swelling.

**Covered Until It's Covered® Warranty:** This industry-leading no-sand warranty is our way of showing just how confident we are in LP Legacy Premium Sub-Flooring. Plus, we offer a lifetime limited warranty that lasts as long as the home.



## PRODUCT ACCESSORIES



### LP Legacy® Premium Sub-Floor Adhesive

LP Legacy® Premium Sub-Floor Adhesive is an adhesive for wood sub-flooring that defends against squeaks by expanding to create a tight seal in small gaps between panels and supports.

- Squeak-free lifetime\* limited warranty when used with LP Legacy® Premium Sub-Flooring or LP® TopNotch® 350 Durable Sub-Flooring assemblies
- Gun-applied, fast-curing PU collapsible foam adhesive



### LP Legacy® Sub-Floor Adhesive Applicator

Foam adhesive applicator comes in two sizes, 15 inches and 30 inches. The applicator is for both the adhesive as well as foam cleaner. The foam cleaner is used to clean the gun applicator after use.



### LP Legacy® Polyurethane Foam Cleaner

LP Legacy Polyurethane Foam Cleaner helps prevent clogging when an adhesive can is removed without intention of immediately attaching a new can.

\*For complete warranty details, visit [LPCorp.com/warranties](http://LPCorp.com/warranties)

APA PR-4127

SPACE ENDS 1/8" +

19 1/2"

16 1/2"

19 1/2"

LP

Legacy

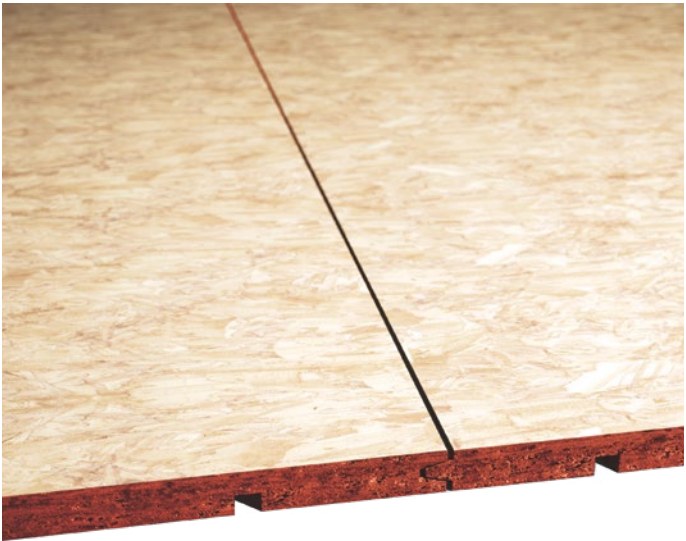
PREMIUM SUB-FLOORING

LEGACY  
ENDS



# LP® TOPNOTCH® 350 DURABLE SUB-FLOORING

When you need a durable sub-flooring solution at a great value, LP® TopNotch® 350 Durable Sub-Flooring is designed for optimum stability at an affordable price. Designed with our original RainChannel® notch system to help drain rainwater away during construction, LP TopNotch 350 Durable Sub-Flooring comes with a 200-day no-sand warranty.



- Unique RainChannel® notch system
- Strength, stiffness and moisture resistance at a great price
- Easy self-spacing tongue-and-groove design
- Moisture-resistant edge sealant
- 200-day no-sand warranty
- 50-year transferable limited warranty



## OTHER PRODUCTS THAT PROVIDE EXCEPTIONAL STRENGTH

### LP WEATHERLOGIC®



Designed for walls and roofs, LP WeatherLogic® Air & Water Barrier is a Structural I Rated Sheathing, which means greater cross-panel strength and stiffness. Continue reading to learn more about LP WeatherLogic Air & Water Barrier in the Moisture Management section.

### LP® FLAMEBLOCK®



LP® FlameBlock® Fire-Rated Sheathing is a building solution that offers strength, savings and easy installation—at an affordable price. Learn about LP FlameBlock Fire-Rated Sheathing in the Fire Resistance section.

# MOISTURE RESISTANCE

One of the challenges builders are facing is finding materials that can stand up to harsh environments. They need products that can withstand a barrage of moisture and wind while keeping their integrity. At LP, we are constantly designing and improving products that answer builders' toughest challenges. It's why we're creating solutions that are designed to be simple to install while defending against whatever nature throws at it.



## PROVEN TO SEAL OUT MOISTURE AND AIR.

With an integrated water-resistive overlay, LP WeatherLogic® Air & Water Barrier is a proven solution to seal out water and air. When panel joints are sealed with LP WeatherLogic Seam & Flashing Tape or Sealant, the system creates a tight envelope proven to contribute to long-term efficiency. LP WeatherLogic panels are Structural I OSB and can be used for wall and roof applications.



MOISTURE  
RESISTANCE



EXCEPTIONAL  
STRENGTH

LP WeatherLogic®  
AIR & WATER BARRIER



# LP WEATHERLOGIC® AIR & WATER BARRIER

LP WeatherLogic® Air & Water Barrier combines the strength of our OSB with an integrated water-resistive overlay. It defends your build from moisture and air movement and can provide homeowners greater indoor comfort for years to come.



- Protects from Water:** Safeguard the home from water intrusion with a tighter envelope that allows moisture vapors to escape.
- Rated Structural I Sheathing:** Greater cross-panel strength and stiffness for enhanced structural capacity.
- Great Warranty:** 30-year limited warranty is one of the longest in the industry.



## PRODUCT ACCESSORIES



**LP WeatherLogic® Seam & Flashing Tape**  
Certified to AAMA 711, LP WeatherLogic Seam & Flashing Tape features one of today's highest quality adhesives.

\*Seam & Flashing Tape is available in 3.75-inch and 6-inch widths. Squeegees included.



**LP WeatherLogic® Sealant**  
The only liquid-applied sealant approved to seal the panel joints (seams) between LP WeatherLogic panels as part of the LP WeatherLogic system. Certified to AAMA 714.

## OTHER PRODUCTS THAT PROVIDE MOISTURE RESISTANCE



**LP LEGACY®**  
Made with Gorilla Glue Technology®, LP Legacy® Premium Sub-Flooring is a water-resistant sub-flooring that provides exceptional stiffness and strength.



# RADIANT BARRIER

With global temperatures rising and homeowners facing higher energy bills, builders are searching for ways to build more efficient homes. At LP, we have led the way in engineering solutions to make structures more comfortable by pushing back against radiant heat. These products can help create a cooler structure that may save homeowners money in the long run.



## THE #1 RADIANT BARRIER.

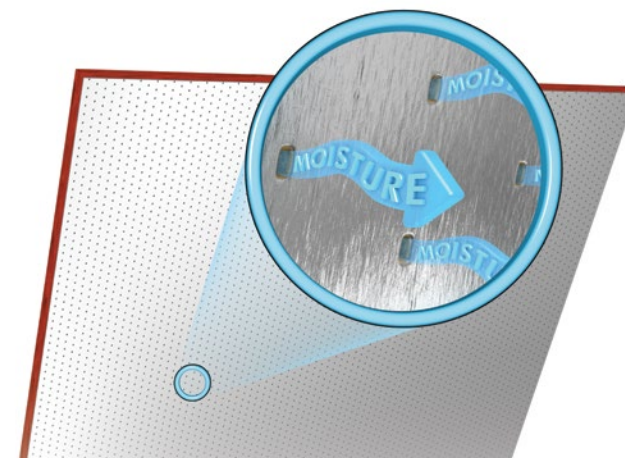
Installed on more than 2 million homes, LP® TechShield® Radiant Barrier is the number one brand of radiant barrier on the market. It can help block up to 97% of radiant heat in the panel from emitting into a home's attic, reducing attic temperatures by up to 30° F, while the VaporVents™ technology allows any trapped moisture to escape from the radiant barrier panels during and after installation.





## LP® TECHSHIELD® RADIANT BARRIER

LP® TechShield® Radiant Barrier installs like regular sheathing, but it uses a durable aluminum-based overlay to block radiant heat from emitting into a home's attic. This overlay is a cost-effective way to boost a home's energy efficiency and may help lower energy costs.



**Moisture Resistance:** VaporVents™ technology allows trapped moisture to escape from the panels during and after installation.

**Energy Efficiency:** Helps block radiant heat from emitting into a home's attic, reducing attic temperatures by up to 30° F.

**Transferable Warranty:** Get extra assurance with a 20-year transferable limited warranty.



 **TechShield®**  
RADIANT BARRIER

- PROTECT FROM MOISTURE PRIOR TO INSTALLATION
- FOIL FACES REQUIRE AIR SPACE ON ALL INSTALLATIONS
- KEEPS THIS SIDE DOWN, CABLE ENDS: THIS SIDE IN

# FIRE RESISTANCE

Much of the world is seeing rising temperatures and dryer climates for longer periods of time. For builders, this means following tighter and more demanding code requirements for fire-resistant construction. At LP, we've been developing solutions that meet these regulations. We've engineered solutions that can remove time-consuming steps from assemblies, allowing you to Defend Your Build® with quicker installs as you meet code.



## PROVEN TO SLOW DOWN THE SPREAD OF FLAMES.

When it comes to defending your build from fire, LP® FlameBlock® Fire-Rated Sheathing combines proven flame-spread and burn-through resistance in one panel. Designed for wall and roof deck applications, each panel is layered with LP's proprietary Pyrotite® coating. Plus, it delivers exceptional strength and integrity to give you greater design flexibility.



FIRE  
RESISTANCE



EXCEPTIONAL  
STRENGTH

LP FlameBlock®  
FIRE-RATED SHEATHING



# LP® FLAMEBLOCK® FIRE-RATED SHEATHING

LP® FlameBlock® Fire-Rated Sheathing is evaluated to meet code requirements for fire-resistant construction as a component of 1-hour and 2-hour wall assemblies and in roof deck applications.



**Innovative Design:** Made with LP’s proprietary non-combustible, fireglass-reinforced Pyrotite® coating bonded to the board on one or both sides.

**Design Freedom:** Provides design flexibility by combining structural capacity and fire resistance in a single panel. It may eliminate a layer of gypsum to simplify and expedite the construction process.

**Fire-Resistant:** Evaluated to meet code requirements for fire-resistant construction.





# THERMAL PERFORMANCE

With temperature extremes on the rise, builders and homeowners are looking for reliable products to meet their changing needs. At LP, we are constantly innovating new solutions, such as LP NovaCore® Thermal Insulated Sheathing, which helps improve thermal performance by providing a layer of continuous insulation to reduce thermal bridging. This helps reduce heat gain in the summer and heat loss in the winter. Plus, it can help builders meet energy codes in all climate zones, specifically in areas where R-5 continuous insulation is recommended or required.



## PROVEN TO DOMINATE THERMAL PERFORMANCE.

Designed to protect structures against heat loss and gain, LP NovaCore® Thermal Insulated Sheathing is equipped with a dual layer panel that offers protection in high and low temperatures. LP NovaCore sheathing is equipped with Owens Corning® FOAMULAR® NGX™ XPS Foam, which offers a long-term R-value that stays reliable at R-5 per inch and increases with cooler temperatures without concern of degradation.\*



\*Compared to some polyiso foam boards





## LP NOVACORE® THERMAL INSULATED SHEATHING

LP NovaCore® Thermal Insulated Sheathing combines an OSB sheathing panel with continuous insulation for faster installation to provide protection against changing temperatures.



**Dual Layer Protection:** Combines LP® OSB and Owens Corning® FOAMULAR® NGX™ XPS foam for dual layer protection.

**Helps Achieve Energy Certifications:** Installing LP NovaCore sheathing helps builders achieve LEED®, ENERGY STAR® and Green Building Standard ICC 700-2008 certifications.

**Easy Installation:** Panels can be cut and drilled the same as regular OSB and installed in a vertical or horizontal orientation, provided that all panel edges are supported and fastened to wall framing or blocking. See installation instructions for full details.







See the ways LP is shaping how you build at

**[LPCORP.COM/STRUCTURALSOLUTIONS](https://lpcorp.com/structuralsolutions)**

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details on each product

