



Build With Our Strength,  
Count On Our Fire Resistance



**FLAMEBLOCK®**  
FIRE-RATED OSB SHEATHING



*LP® FlameBlock® Fire-Rated OSB Sheathing features a proprietary, non-combustible, fiberglass-reinforced Pyrotite® coating.*

*Look beneath the ignition-resistant Pyrotite coating and you'll find the strength and consistency of LP® OSB.*

## When Every Second Counts

In a structural fire, the difference between an untreated panel and LP® FlameBlock® Fire-Rated OSB Sheathing is truly dramatic.



Live burn demonstration conducted at the Sacramento Fire Department Division of Training.

# LP® FlameBlock® Fire-Rated OSB Sheathing: Strength And Fire Resistance In The Same Panel



## A Constant Threat

Fire. It destroys buildings, belongings and lives. That's why today's smart builders rely on LP® FlameBlock® Fire-Rated OSB Sheathing. LP FlameBlock Sheathing delivers impressive structural performance and resists burn-through, allowing additional time for evacuation should fire strike.

## A Better Way To Build

LP FlameBlock Sheathing is an ICC certified (ESR-1365) structural fire-rated sheathing with a Class A Flame Spread Rating (ASTM E84). It provides extended burn-through resistance, delivering a 20-minute thermal barrier (ASTM E119). LP FlameBlock Sheathing is an approved component of 1-hour and 2-hour fire-rated assemblies and is suitable for use as roof decking in open-soffit or open-eave applications where fire performance is needed.



## Our Secret Weapon

Covering one or both sides of an LP® OSB panel, the unique Pyrotite® ignition-resistant coating on LP FlameBlock Sheathing is our secret weapon against fire. The Pyrotite coating is a layer of non-combustible magnesium oxide material with two quarts of water chemically locked into every 32 square feet of the coating's structure in an inert form. The bound water is released only when exposed to the intense heat created by fire. Once released, this moisture helps LP FlameBlock Sheathing resist burn-through and slow the spread of fire.

## Real Advantages

LP FlameBlock Sheathing is durable, cost competitive and easy to handle. The fiberglass-reinforced Pyrotite coating actually increases the performance of the panel, making LP FlameBlock Sheathing a fire-rated product that meets code requirements efficiently. LP FlameBlock Sheathing contains no hazardous chemicals and installs like standard sheathing, requiring no special tools or protective gear.

## The Hassle-Free Solution

Unlike chemical treatments used to create products such as FRT plywood, the Pyrotite coating on LP OSB sheathing causes no initial or long-term loss of structural performance. LP FlameBlock Sheathing does not require special handling of scrap disposal.

Because it's lighter and stronger than gypsum wallboard, using LP FlameBlock Sheathing saves time and money in comparison to a structural sheathing plus gypsum approach. It's Exposure 1 rated, so it can withstand weather during normal construction delays.

## The Smart, Versatile Choice

Delivering outstanding building versatility, LP FlameBlock Sheathing is a cost-effective component of fire-rated assemblies. It is available with the patented Pyrotite coating on one or both sides of the product. LP FlameBlock Sheathing has been evaluated by the International Code Council and

is listed as code-compliant for use in many types of building construction, including certain applications in Type I and II construction. It's also approved for use in California WUI zones. LP FlameBlock is the sheathing to use in single-family homes, multifamily homes and commercial buildings. It's ideal for construction applications such as party walls, multifamily roof decks and zero-lot line buildings.

## Backed By The Brand You Trust



The quality of LP FlameBlock Sheathing has been verified by UL<sup>®</sup>, Intertek and PEI, and Pyrotite coating technology has more than 15 years of proven performance. LP Building Products backs every LP FlameBlock Sheathing panel with a 20-Year Transferable Limited Warranty. Thoroughly tested and proven effective, LP FlameBlock Sheathing is the panel to count on when every second counts. For more information, including specifications, warranty details, code reports, wall assemblies and more, go to [LPCorp.com/FlameBlock](http://LPCorp.com/FlameBlock).

## LP<sup>®</sup> FlameBlock<sup>®</sup> Fire-Rated OSB Sheathing Vs. The Competition

	<i>LP<sup>®</sup> FlameBlock<sup>®</sup> Sheathing</i>	<i>Fire-Retardant (FRT) Plywood</i>	<i>Gypsum Wallboard</i>
<i>What It Is</i>	Pyrotite <sup>®</sup> coating over LP <sup>®</sup> OSB Sheathing	Plywood impregnated with fire-retardant chemicals	Hydrated calcium sulfate covered by thin paper sheets
<i>How It Works</i>	Protects wood from surface flame and heat	Panel chemically disintegrates at elevated temperatures	Calcium sulfate retards flame
<i>Strength</i>	Certified for full load and span ratings with no deductions	Reduces allowable load over untreated panels; initial and thermal degradation	Little structural strength
<i>Flame Spread</i>	Class A Flame Spread Rating	Class A Flame Spread Rating	Class A Flame Spread Rating
<i>Burn-Through Resistance</i>	Approved component of fire-rated assembly	Poor burn-through resistance	Approved component of fire-rated assembly
<i>Job-Site Handling</i>	Exposure 1 rated, withstands weather during normal construction delays	If wet, must re-dry to ≤ 15% moisture; harsh to work with	Fragile, destroyed if wet
<i>Panel Characteristics</i>	Consistent, knot-free, will not warp, cup, split or delaminate	May ripple/warp ("potato chip board" effect)	No warping/bending



## LP® FlameBlock® Fire-Rated OSB Sheathing Product Summary

- Structural Fire-Rated Sheathing
- Class A Flame Spread Rating
- 3 Times Longer Burn-Through Resistance Than Standard Wood Sheathing
- Non-Combustible, Fiberglass-Reinforced Magnesium Oxide Coating Over LP® OSB
- Available With Pyrotite® Coating On One Or Two Sides Of The Product
- Two Quarts Of Water Locked Into Every 32 Square Feet Of Pyrotite Coating (4' x 8')
- Allows For Faster, More Cost-Effective Compliance With Fire Codes, Even In Seismic Zones
- Durable, Easy To Handle On Job Site
- No Hazardous Chemicals
- Variety Of PS2-Rated Thicknesses And Lengths, Including Struc-1
- 20-Year Transferable Limited Warranty



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# FLAMEBLOCK<sup>®</sup>

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**Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.**

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