



FLAMEBLOCK®
FIRE-RATED OSB SHEATHING

ASSEMBLIES AND APPLICATIONS



Image courtesy of KTG, Inc.

ENGINEERED FOR
FIRE CODE COMPLIANCE
AND DESIGN FLEXIBILITY



STRUCTURAL STRENGTH AND CODE COMPLIANCE IN A SINGLE PANEL



LOOK BENEATH THE IGNITION-
RESISTANT PYROTITE COATING AND
YOU'LL FIND THE STRENGTH
OF LP® OSB.

LP® FLAMEBLOCK® FIRE-RATED OSB
SHEATHING FEATURES A PROPRIETARY
NON-COMBUSTIBLE,
FIBERGLASS-REINFORCED
PYROTITE™ TREATMENT.

LP® FlameBlock® Fire-Rated OSB Sheathing is certified to meet fire code compliance and delivers higher design values than FRT plywood at the same thickness. LP FlameBlock sheathing has the versatility to be used in Type II, III and V construction, and is a listed component in fire-rated interior wall assemblies, exterior wall assemblies and roof deck applications.

CODE-APPROVED FIRE-RATED STRUCTURAL SHEATHING

- ICC-certified (ESR-1365)
- 15-minute thermal barrier protection (UBC 26-2)
- 30-minute Class A Flame Spread Rating (ASTM E84, UL723)
- Combination of flame-spread resistance and burn-through resistance
- Code-compliant component of fire-rated interior and exterior wall assemblies and roof decks

DESIGN FLEXIBILITY

Because structural design values for LP FlameBlock sheathing are not reduced by the fire-retardant treatment, the panel carries load/span and shear design values equivalent to an untreated wood structural panel in the same panel thickness category. Using LP FlameBlock sheathing in fire-rated wall assemblies can provide more flexibility in design of wall openings as well as more options in framing and bracing to meet structural requirements.

STRENGTH

Carries design values for load/span and shear that are superior to fire-retardant treated wood structural panels of the same thickness.

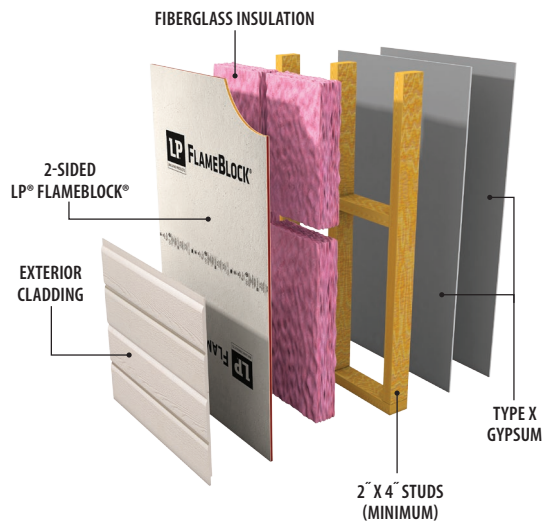
WEATHER RESISTANCE

Exposure 1 classification certifies that LP FlameBlock sheathing is able to withstand exposure to moisture during normal construction delays. FRT plywood does not carry Exposure 1 certification.



LP® FLAMEBLOCK® ASSEMBLIES REDUCE DEAD LOAD AND LABOR COSTS

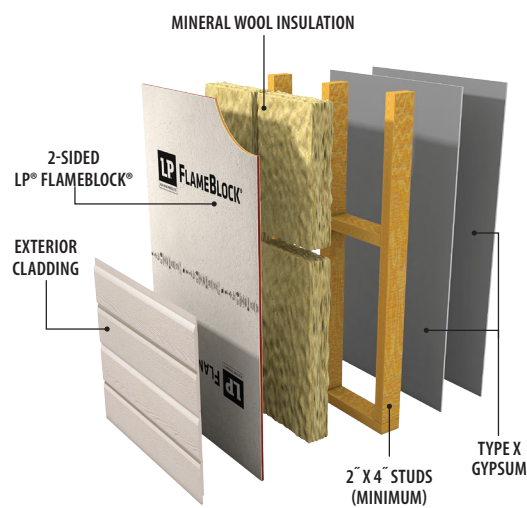
LP® FlameBlock® sheathing is a listed component of exterior and interior load-bearing wall assemblies. These efficient assemblies can improve construction timelines and reduce labor costs by eliminating the time required to install a layer of external gypsum. In addition, wall assemblies that utilize LP FlameBlock sheathing reduce dead load and wall thickness versus common alternatives and provide a better substrate for securely fastening exterior cladding.



EXTERIOR LOAD-BEARING WALL – UL DESIGN NO. U349

(2-HOUR WALL; FIRE-RATED FROM INSIDE)

- Commonly used in Type III load-bearing exterior walls
- Reduces dead load and wall thickness versus common alternatives
- Reduces labor costs and construction time*
- Better substrate for securely fastening exterior facing
- Allows fiberglass insulation (less expensive than mineral wool)
- Exposure 1 classification; withstands normal exposure to moisture during construction



EXTERIOR LOAD-BEARING WALL – UL DESIGN NO. W408

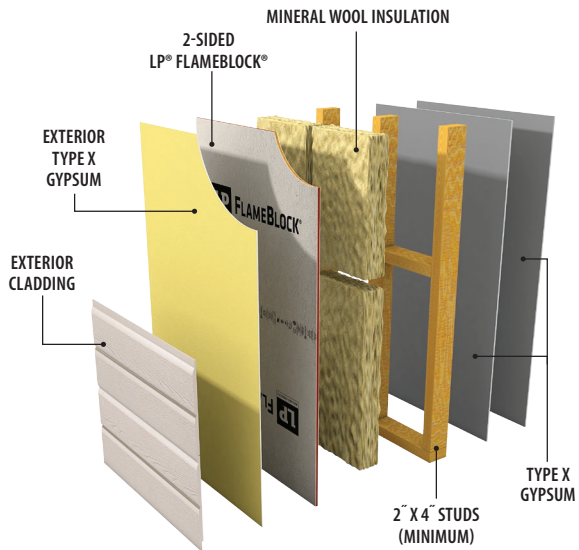
(2-HOUR WALL; FIRE-RATED FOR 2 HOURS INSIDE,
1 HOUR OUTSIDE)

- Commonly used in Type III load-bearing exterior walls close to property line
- Reduces dead load and wall thickness versus common alternatives
- Reduces labor costs and construction time*
- Fiberglass insulation can be used when standard brick is exterior facing
- Provides better substrate for securely fastening exterior facing
- Exposure 1 classification; withstands normal exposure to moisture during construction

*Eliminates a layer of gypsum vs. UL301 and U308.



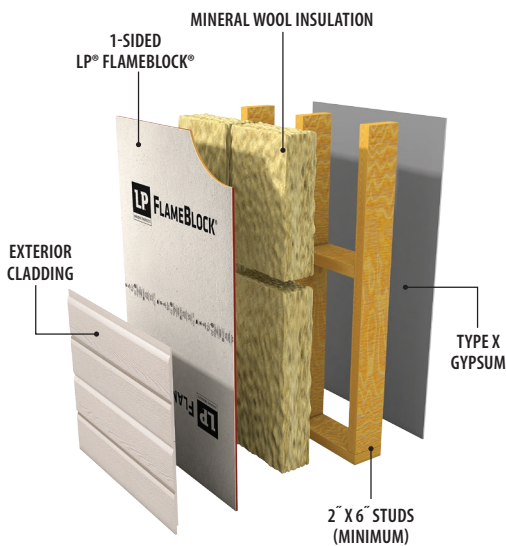
Image courtesy of SK+I Architecture



**EXTERIOR LOAD-BEARING WALL –
 UL DESIGN NO. W408 EXTENDED**

(2-HOUR WALL; FIRE-RATED BOTH SIDES—
 SEE REPORT LP10288-03)

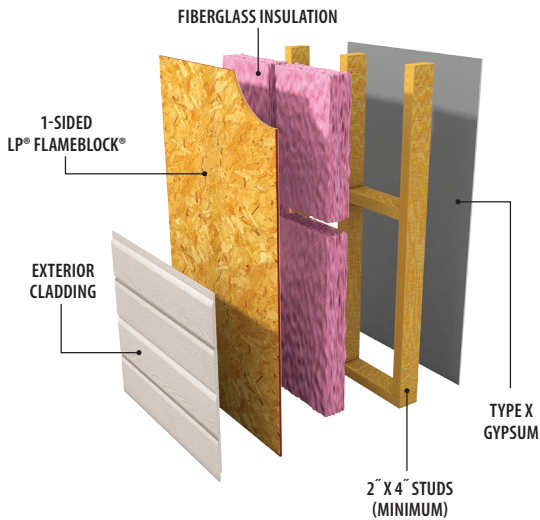
- Commonly used in Type III load-bearing exterior walls close to property line
- Reduces dead load and wall thickness versus common alternatives
- Reduces labor costs and construction time*
- Provides better substrate for securely fastening exterior facing
- Exposure 1 classification; withstands normal exposure to moisture during construction



**EXTERIOR LOAD-BEARING WALL –
 INTERTEK LISTING LPB/WPPS-60-01**

(1-HOUR WALL; FIRE-RATED FROM BOTH SIDES)

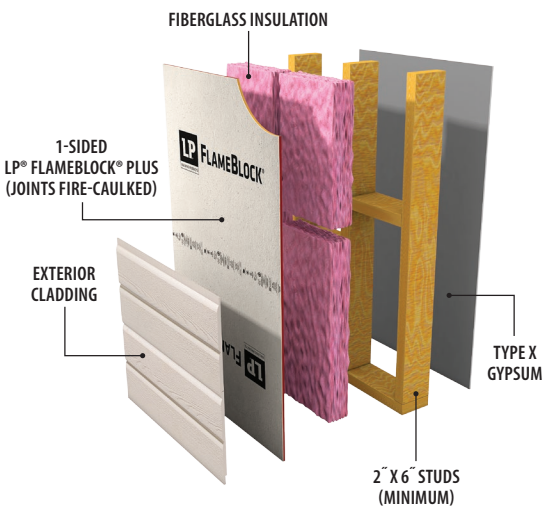
- Commonly used in Type V 1-hour exterior walls along property line, including single-family construction
- Reduces dead load and wall thickness versus common alternatives
- Reduces labor costs and construction time*
- Provides better substrate for securely fastening exterior facing
- Allows a wide range of code-compliant exterior facings
- Exposure 1 classification; withstands normal exposure to moisture during construction



**EXTERIOR LOAD-BEARING WALL
UL DESIGN NO. U348**

(1 HOUR WALL; FIRE-RATED FROM INSIDE ONLY)

- Commonly used in Type V load-bearing exterior walls
- Reduces dead load and wall thickness versus common alternatives
- Better substrate for securely fastening exterior facing
- Allows fiberglass insulation (less expensive than mineral wool)
- Exposure 1 Classification; withstands normal exposure to moisture during construction



**EXTERIOR LOAD-BEARING WALL –
UL DESIGN NO. V311**

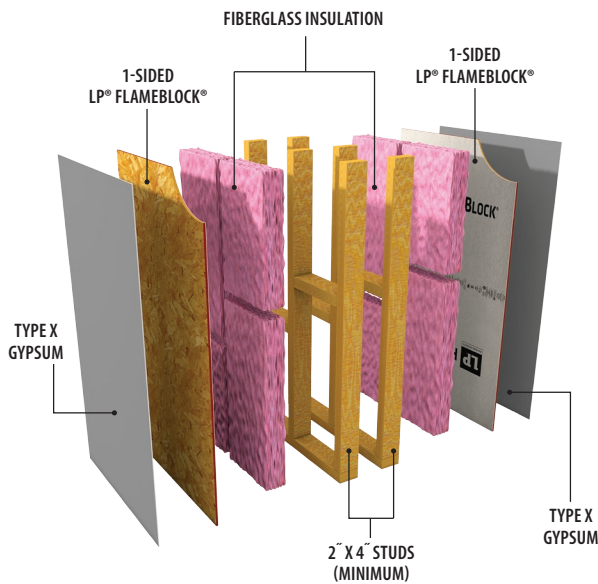
(FLAMEBLOCK PLUS 1-HOUR WALL; FIRE-RATED FROM BOTH SIDES)

- Commonly used in Type V load-bearing exterior walls along property line, including single-family construction
- Reduces dead load and wall thickness versus common alternatives
- Reduces labor costs and construction time*
- Provides better substrate for securely fastening exterior facing
- Allows brick, stucco, steel and fiber cement exterior facings
- Exposure 1 classification; withstands normal exposure to moisture during construction

*Eliminates a layer of gypsum vs. UL301 and U308.

INTERIOR ASSEMBLIES CAN SIMPLIFY INSTALLATION AND INCREASE STRUCTURAL RATINGS

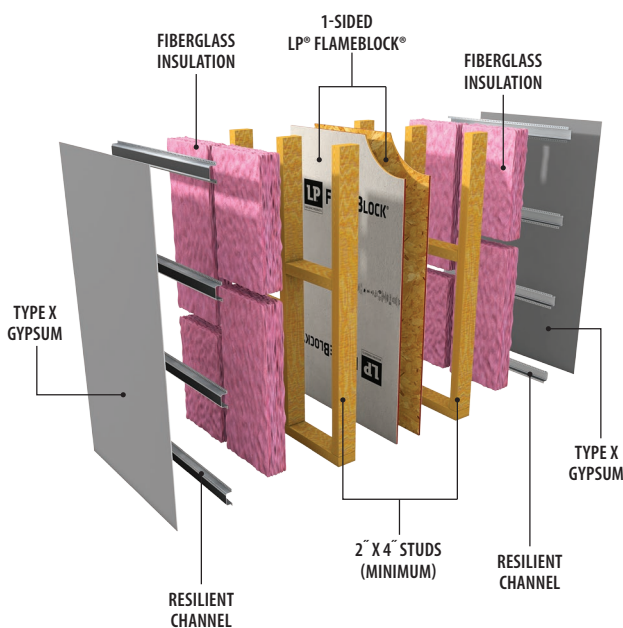
LP® FlameBlock® interior assemblies can streamline installation and lower material/labor costs by reducing the need for additional construction materials.



INTERIOR LOAD-BEARING WALL – UL DESIGN NO. U350 (TYPE A)

(2-HOUR PARTITION WALL; FIRE-RATED ON BOTH SIDES)

- Commonly used in load-bearing partition walls in multifamily construction, including townhomes
- Labor/material cost savings and reduction in dead load due to elimination of a layer of gypsum (vs. WP3820)
- Cost-effective, space-saving alternative to area separation fire walls using Shaft Liner (where code-compliant)
- Sound Transmission Class (STC) rating of 62



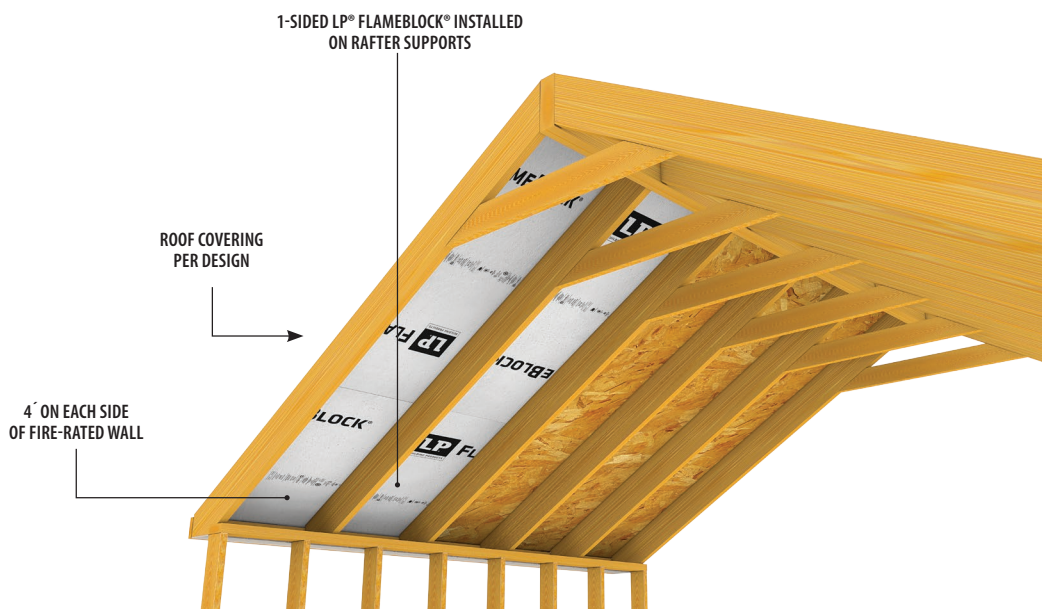
INTERIOR LOAD-BEARING WALL – UL DESIGN NO. U350 (TYPE B)

(2-HOUR PARTITION WALL; FIRE-RATED ON BOTH SIDES)

- Commonly used in Type III and V 2-hour partition walls in multifamily construction
- Labor/material cost savings and reduction in dead load due to elimination of a layer of gypsum (vs. WP3820)
- Cost-effective, space-saving alternative to area separation fire walls using Shaft Liner (vs. UL375)
- Sound Transmission Class (STC) rating of 62

ROOF DECK APPLICATION PROVIDES EXPOSURE 1 WEATHER RESISTANCE

LP® FlameBlock® sheathing in roof deck applications outperforms FRT plywood in structural design rating at the same panel thickness. Exposure 1 classification certifies that it's able to withstand moisture during normal construction delays. (FRT plywood does not carry Exposure 1 certification.)



ROOF DECK – TYPE III & V CONSTRUCTION

- Commonly used for vertical continuity of fire walls in townhomes, condominiums and apartments (IBC Section 706.6)
- Higher load/span ratings than FRT plywood at same thickness
- Available in a range of thickness categories, including 7/16" to provide consistency with 7/16" standard OSB where applicable
- Certified Exposure 1 weather resistance
- Reduces labor costs and construction time compared to gypsum-over-wood structural panel option
- Panels lie flat with no delamination

LP® FlameBlock® Fire-Rated OSB Sheathing helps you meet fire codes while reducing dead load and wall thickness versus common alternatives. It offers higher design values than FRT plywood at the same thickness and provides a better substrate for securely fastening exterior facing. Choose LP FlameBlock sheathing for your next project.

DRIVING INNOVATION IN FIRE-RESISTANT CONSTRUCTION



For more information about LP FlameBlock Fire-Rated OSB Sheathing, including our Technical Guide, call 1-888-820-0325 or visit LPCorp.com/FlameBlock

LPCorp.com/FlameBlock
Phone: 1-888-820-0325
Fax: 1-877-523-7192
Email: Customer.Support@LPCorp.com

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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