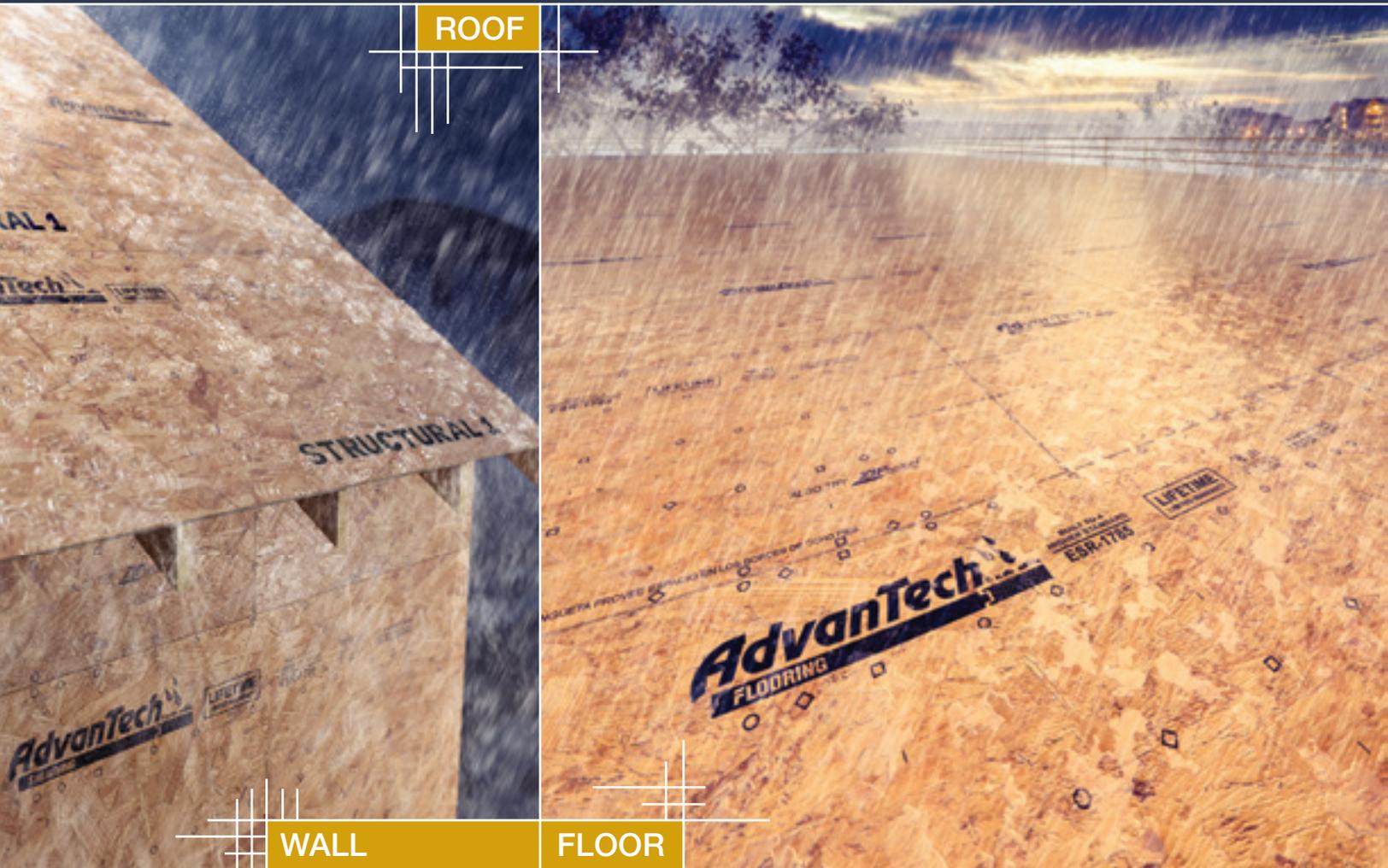


# FLAT OUT BEST™ FROM TOP TO BOTTOM.

AdvanTech® flooring and sheathing products deliver superior strength, moisture resistance and award-winning quality to every project.



ROOF

WALL

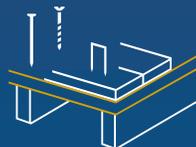
FLOOR



Moisture Resistance



Strength & Stiffness



Fastener Holding Power



Structural 1 Rated



Installation Speed and Ease



## THE RIGHT CHOICE NOW FOR A LIFETIME OF PERFORMANCE

AdvanTech® flooring and sheathing products deliver award-winning quality and superior performance to every project. Each panel is engineered to combine the performance factors you need most such as superior strength, extreme nail-holding power, trusted moisture resistance, and installation ease.

### TOTAL PERFORMANCE FOR FLOORS, ROOFS AND WALLS

- High-density engineered wood for superior strength and stiffness
- Advanced moisture-resistant resin technology applied throughout the panel
- Superb fastener holding power keeps finished floors quiet and exterior roof and wall coverings firmly in place.
- Patented fastening guide for easier installation
- Precisely milled and extremely durable tongue and groove profile for easy installation
- Ranked #1 in quality by builders every year since 2002.<sup>1</sup>
- Backed by the reputation of Huber Engineered Woods



VOTED #1 IN QUALITY BY BUILDERS LIKE YOU!

### AWARD WINNING QUALITY.

AdvanTech flooring has been rated #1 in quality every year for more than a decade in *Builder Magazine's* annual nationwide survey of builders! No other subfloor panel matches the award-winning quality and performance of AdvanTech flooring.



AdvanTech flooring and sheathing is the ONLY wood-structural panel with published design values above code minimum (PS-2)<sup>2</sup> requirements.

ESR-1785<sup>3</sup> documents design values for AdvanTech flooring above commodity-grade OSB and plywood panels.

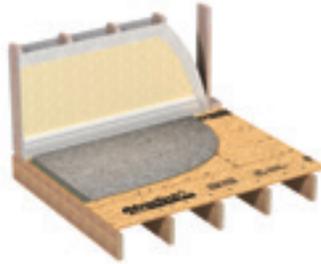
These values are available in ESR-1785 and can be viewed at [www.icc-es.org](http://www.icc-es.org).

# A SOLID CHOICE FOR A VARIETY OF FLOOR, ROOF AND WALL APPLICATIONS



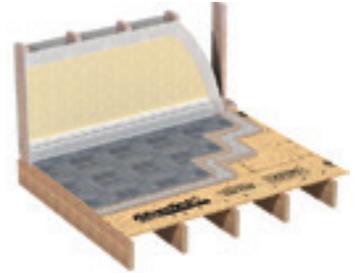
## HARDWOODS OVER ADVANTECH® FLOORING

Superior fastener holding power and panel strength keep hardwood flooring flat and quiet.



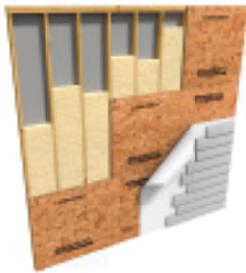
## CARPET OVER ADVANTECH® FLOORING

Fully sanded surface and high wood density helps eliminate visible seams while keeping tack-strips firmly in place.



## TILE & STONE OVER ADVANTECH® FLOORING

Industry-leading design stiffness and long-lasting durability help reduce the risk of cracked tile and stone.



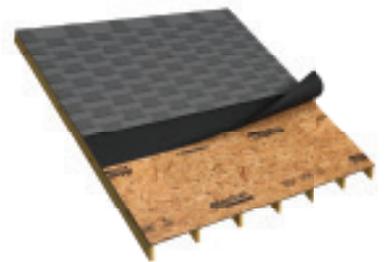
## SHEAR WALL DESIGNS WITH ADVANTECH® SHEATHING

Structural-1 rating deliver greater shear resistance to wind and seismic loads.



## TILE ROOFS ABOVE ADVANTECH® SHEATHING

Superior strength, durability and fastener holding power provide an exceptional base for heavy roofing materials.



## SHINGLES ABOVE ADVANTECH® SHEATHING

Strong, moisture resistant panels install flat and stay flat to help eliminate visible seams so exterior materials look their best.



## DOUBLE-LAYER FLOATING SUBFLOORS USING ADVANTECH® PANELS

Dimensional stability and consistent quality provides a flat, stable base to keep hardwoods firmly in place.



## FLAT ROOF APPLICATION USING ADVANTECH® PANELS

Superior stiffness and moisture resistance against edge swell help reduce low spots that pond water.



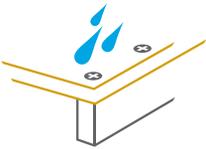
## GYPSUM CONCRETE OVER ADVANTECH® FLOORING

An excellent substrate for heavy traffic areas, AdvanTech® panels provide a durable, strong base ideal for gyp-crete assemblies.

# A LOT IS RIDING ON YOUR SUBFLOOR.

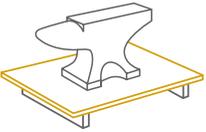


AdvanTech® flooring delivers performance and peace of mind into every floor you build. It's the award-winning industry leader, meaning you'll get the most from your floors and everything you build on top of them.



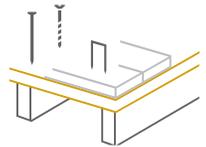
## DEFENDS AGAINST WATER

AdvanTech flooring's best-in-class water resistance protects against swelling, cupping and delamination. This helps improve cycle time by reducing costly rework, construction delays and homeowner callbacks.



## SUPERIOR STRENGTH AND STIFFNESS

AdvanTech flooring brings together a superior combination of bending strength and stiffness. AdvanTech® panels deliver exceptional structural performance for the flooring system and improve the integrity and quality of the entire home.



## SUPERB FASTENER HOLDING POWER

The high wood density and advanced resins inside AdvanTech flooring securely hold floor fasteners in place, helping to reduce nail pops and floor squeaks.



## STRUCTURAL 1

AdvanTech® flooring and sheathing panels are tested and marked as Structural 1 to satisfy the most demanding of specifications.<sup>9</sup>



## INSTALLATION SPEED AND EASE

Consistent manufacturing, plus pre-printed fastening guides and a precisely engineered tongue and groove profile, help ensure every panel of AdvanTech flooring installs quickly and easily.



## BACKED BY AN INDUSTRY-LEADING WARRANTY

We support our AdvanTech® panels with a limited lifetime warranty, along with a 500-day weather resistance guarantee.<sup>4</sup> With a guarantee like this, your moisture-related jobsite headaches are over.

**500 DAY**  
**NO SANDING**  
**GUARANTEE**<sup>4</sup>

# MOISTURE RESISTANCE MATTERS

## THE MOISTURE ADVANTAGE YOU CAN SEE

### 24 HOUR WATER SOAK DEMONSTRATION

#### VS. OSB

Traditional Oriented Strand Board (OSB) has a reputation for frequent swelling and weakening after exposure to moisture. But AdvanTech® panels are made to withstand the elements – guaranteed.

AdvanTech® flooring

OSB flooring



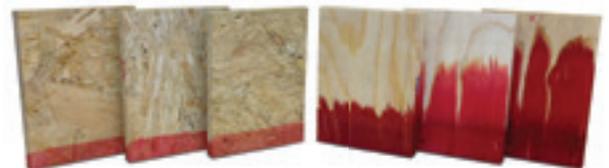
### 3 HOUR WATER SOAK DEMONSTRATION

#### VS. PLYWOOD

When soaked in 1 inch of red water, the water line on the AdvanTech® panel sample barely moves, while the water line on the plywood panel sample moves up significantly. Water absorption can lead to swelling, cupping, delamination and other moisture-related damage.

AdvanTech® flooring

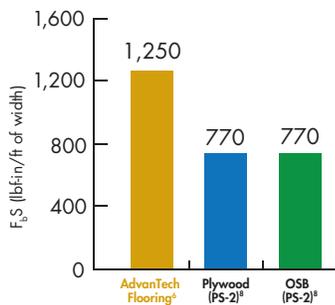
Plywood flooring



# STRENGTH MATTERS

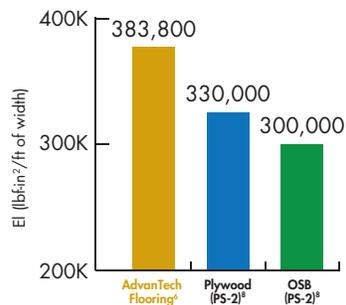
Design Bending Strength (F<sub>b</sub>S)

24 oc Floor Panels (lb·in/ft)



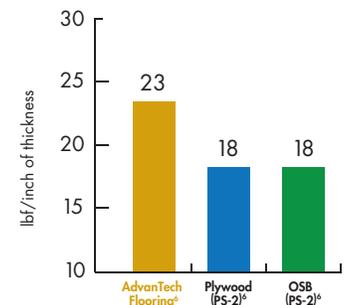
Design Bending Stiffness (EI)

24 oc Floor Panels (lb·in<sup>2</sup>/ft)



Fastener Withdrawal Calculated Values<sup>7</sup>

(lb/inch of thickness)



AdvanTech® flooring*							
Performance Category	Panel Size	PS-2 Span Rating	Code Evaluation Report	Edge Profile	Panel Grade	Approx. Weight Per Panel**	Panels Per Unit
19/32	4' x 8'	20 oc	x	T&G	Structural 1	66 lbs.	55 pcs.
23/32	4' x 8'	24 oc	ESR-1785			78 lbs.	45 pcs.
7/8	4' x 8'	32 oc	x			96 lbs.	40 pcs.
1	4' x 8'	32 oc	x			109 lbs.	35 pcs.
1-1/8	4' x 8'	48 oc	x			125 lbs.	30 pcs.

\*Net face width is 47-1/2" on tongue and groove panels.

\*\*Estimated panel weight. Actual weight may vary by mill.



# A DURABLE HOME STARTS WITH A STRONG, MOISTURE RESISTANT BASE.

## ADVANTECH® ROOF AND WALL SHEATHING

Oriented strand board (OSB) and CDX plywood simply can't compare. What's inside AdvanTech® panels makes all the difference: advanced resin technology resists the damaging effects of weather during construction and over time. Structural 1 rated to provide excellent shear resistance and added strength to your walls and roofs. Protect your build with the lasting durability of AdvanTech® sheathing.



### STRUCTURAL 1 RATED

Provides more allowable shear strength than rated sheathing with the same thickness and nailing pattern. Designed for greater resistance to wind and seismic loads in roof and wall applications. Ideal for regions with heavy wind, rain, snow and ice.



### UNMATCHED MOISTURE RESISTANCE

Designed for longer exposure during construction, backed by a 500-day weather resistance guarantee.<sup>4</sup> Unlike traditional OSB and CDX plywood, AdvanTech® sheathing is guaranteed to resist swelling, cupping and delamination.



### HIGHER STRENGTH, STIFFNESS AND FASTENER HOLDING POWER

ESR-1785 documents industry-leading strength and stiffness and better fastener holding power than competitive OSB and CDX plywood<sup>6</sup> providing an exceptional nail base. Panels install flat and stay flat to help exterior materials look and perform their best.

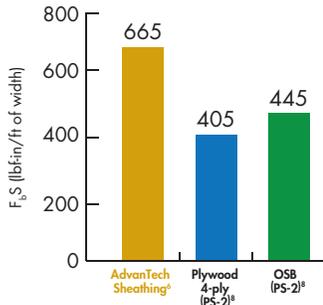


### BACKED BY AN INDUSTRY-LEADING WARRANTY<sup>4</sup>

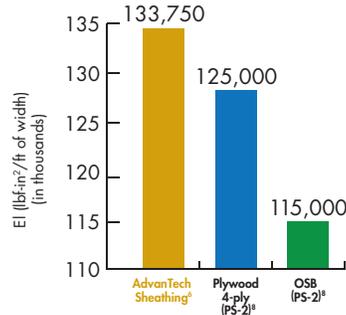
AdvanTech sheathing is backed by the best warranty in the business — a limited lifetime warranty — for added assurance both during and after construction.

# THE CLEAR LEADER IN STRENGTH AND STIFFNESS.

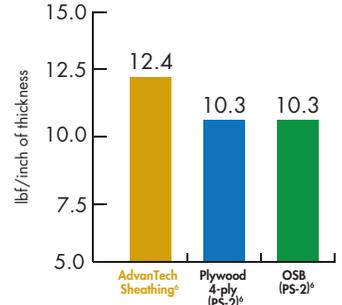
**Design Bending Strength ( $F_b$ )**  
Sheathing Panels (lb·in/ft)



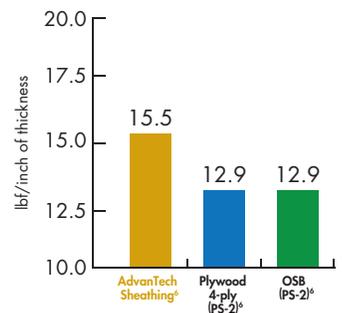
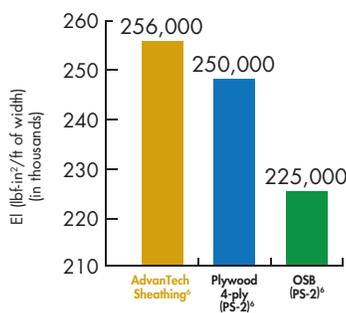
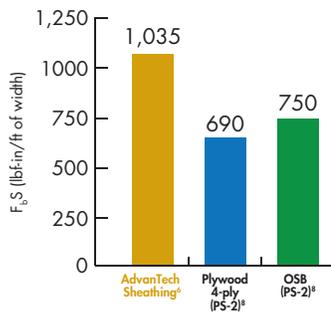
**Design Bending Stiffness (EI)**  
Sheathing Panels (lb·in<sup>2</sup>/ft)



**Fastener Withdrawal Calculated Values<sup>7</sup>**  
(lb·in/inch of thickness)



1/2"



5/8"



## AdvanTech<sup>®</sup> roof and wall sheathing\*

Performance Category	Panel Size	PS-2 Span Rating	Code Evaluation Report	Edge Profile	Panel Grade	Approx. Weight Per Panel**	Panels Per Unit
1/2	4' x 8'	32/16	ESR-1785	SE	Structural 1	54 lbs.	70 pcs.
5/8	4' x 8'	40/20		T&G, SE		67 lbs.	55 pcs.
23/32	4' x 8'	48/24	-	SE		78 lbs.	45 pcs.

\* Net face width is 47-1/2" on tongue and groove panels.

\*\* Estimated panel weight. Actual weight may vary by mill.



**VOTED #1 IN QUALITY BY BUILDERS LIKE YOU!<sup>1</sup>**



Give AdvanTech® panels a try today!  
Visit [AdvanTechPerforms.com](http://AdvanTechPerforms.com) for current rebate offers.

**References:** 1. Builder Magazine's 2015 Brand Use Study. 2. AdvanTech flooring is the only wood structural panel substantiated by third party evaluation services for published design values for strength, stiffness and fastener holding power above PS-2 minimums. Please see ESR-1785 for AdvanTech flooring published design values. 3. ESR-1785 is an Evaluation Services Report (ESR) issued by the International Code Council Evaluation Service. Evaluation reports from ICC Evaluation Service are frequently used by code officials to verify that new and innovative building products comply with code requirements. 4. Limitations and restrictions apply. Visit AdvanTechPerforms.com for details. 5. ICC-ES Evaluation Service Report ESR-1785. 6. Based on the design values published in ICC-ES Evaluation Service Report, ESR-1785 and the 2012 APA Panel Design Specification, Form No. D510C. 7. Allowable nail withdrawal values were calculated in accordance with the 2012 National Design Specification for Wood Construction using a 0.131 inch diameter nail for flooring and 0.148 inch diameter nail for roof and wall sheathing calculations. American Wood Council ASD/LRFD 8. 2012 APA Panel Design Specification, Form No. D510C 9. See AdvanTech Flooring Product Data Sheet on AdvanTechPerforms.com for available thicknesses stamped as Structural 1.



Visit [AdvanTechPerforms.com](http://AdvanTechPerforms.com) to learn why AdvanTech® flooring is the Flat Out Best™ for a quiet, stiff floor. 1.800.933.9220

