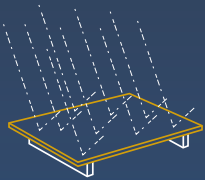


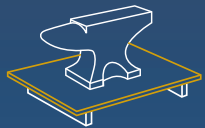


FLAT OUT BEST™ FOR A QUIET, STIFF FLOOR



SUPERIOR MOISTURE RESISTANCE

Low water absorption minimizes warping, cupping and edge swell – no sanding needed, guaranteed!*



SUPERIOR STRENGTH & STIFFNESS

Outstanding bending strength, stiffness and fastener holding power produce floors that are flat and minimize issues with floor squeaks and bounce.



HIGHEST QUALITY & SERVICE

Offers the best warranty in the business – a limited 50-year warranty that is transferable to every new homeowner, with a 300-day no-sanding guarantee.*

THE PREMIUM-QUALITY ALTERNATIVE

Description

AdvanTech® flooring and sheathing are high performance structural panels specifically engineered to provide water resistance, strength, stiffness and consistent quality that is superior to competing oriented strand board (OSB) and plywood products.

Basic Uses

A premium-quality alternative to plywood and OSB, AdvanTech® flooring is used in single layer and subfloor applications. AdvanTech® sheathing is used for roof and wall sheathing, as well as subflooring in two-layer systems.

Composition & Materials

Huber Engineered Woods is committed to the responsible use of natural resources. AdvanTech engineered wood panels are produced from young, fast-growing trees for less waste and faster availability. All parts of the log are used during production. Leftover chips, bark and sawdust are used as fuel to reduce energy use during manufacturing. One of the main benefits of AdvanTech products is that unlike most OSB and plywood panels that utilize a phenol-formaldehyde (PF) based resin system, the primary resin system used in AdvanTech panels contains no formaldehyde.

Certification & Code Compliance

AdvanTech flooring and sheathing panels are manufactured in conformance with PS-2, Performance Standard for Wood-Based Structural-Use Panels. Design capacities of AdvanTech products are available in ICC ES ESR-1785. AdvanTech panels bear the stamp of TECO, an approved inspection and testing agency. Panels certified to PS-2 and ESR-1785 are recognized in the model building codes, the International Residential Code, and the International Building Code. Panels may bear stamps certifying conformance to both PS-2 and CAN/CSA-0325. CSA-0325 is a panel performance standard maintained by the Canadian Standards Association. For additional information, go to advantechperforms.com.

AdvanTech flooring and sheathing panels, certified to be in conformance with requirements for U.S. Department of Housing and Urban Development (HUD-FHA) Use of Materials Bulletin #40C, bear the designation HUD-UM-40C within the stamp.

Flame Spread

AdvanTech flooring and sheathing panels are recognized as having a Class C (III) flame spread rating without need for test or label by HUD/ FHA Manual of Acceptance Practices, Section 405-8 to the Minimum Property Standards.

Storage

- Ship panels under tarp.
- Set bundles on three supports to keep off the ground.

- Outdoors, cover panels loosely with waterproof protective material.
- Anchor covers on the top of the stack, but keep away from sides and bottom to ensure good air circulation.
- When high moisture exists, cut banding on the stack to prevent edge damage.

Handling

- Avoid dropping panels on corners or edges.
- When using a forklift, put the stack on a pallet or supports to minimize damage from forks.

Exposure

As with all wood-based products, properly installed AdvanTech panels will not decay in service. Building code provisions establish minimum clearances from grade and ventilation requirements for crawl spaces and attics. Short-term exposure to moisture, as typical in normal construction delays, will not result in wood decay. AdvanTech panels should not be used in applications that will permanently expose the panels to the weather nor where moisture will be at elevated levels for extended periods of time. AdvanTech panels are not approved or certified for exterior exposure. As a panel classified as Exposure 1 under PS-2, AdvanTech panels are intended to resist the effects of moisture due to construction delays or other conditions of similar severity, but are not suitable for permanent exposure to the weather.

Installation

Refer to TECO (www.tecotested.com) and OSB Design and Construction Guides for general installation details. Additional installation requirements are in the following sections of this brochure.

**300 DAY
NO SANDING
GUARANTEE***

Payable up to twice the reasonable cost of sanding!



advantechperforms.com

Span & Spacing

Install panels over two or more spans with the long dimension perpendicular to the floor framing. Install panels with the certification stamp facing down for ease of viewing by local building officials.

Tongue and groove (T & G) panels are designed to self-space on T & G edges. Do not use excessive force when placing panels together. Space 4' panel ends with a minimum of 1/8" gap at time of installation. End joints of adjacent panel runs should be staggered. Square edge panels should be installed with a minimum spacing of 1/8" gap on all panel edges at time of installation.

Fastening

In accordance with general floor fastening recommendations, adhesive and nails or adhesive and screws should be used. Use only polyurethane or solvent-based adhesives that conform to industry standard AFG-01, and follow manufacturer's recommendations.

Before each panel is placed, a line of polyurethane or solvent-based adhesive should be applied to the clean, dry joist. A 1/4" bead of adhesive is recommended. Apply only enough adhesive to lay one or two panels at a time. Glue the T & G joint at installation with a small amount of construction adhesive to minimize squeeze-out.

Fully secure panel with fasteners immediately after placing adhesive on joists. Fasteners should penetrate framing members at least 1". For ease of installation, panels are printed with pre-spaced fastening symbols for 16," 19.2" and 24" o.c. spacings.

Apply fasteners a maximum of 3/8" to 1/2" from panel edges.

Space fasteners 6" o.c. on supported edges (4' ends) and 12" o.c. at intermediate support locations. Ensure that all corners are securely fastened. Note: 1-1/8" panels spaced 48" o.c. should be fastened 6" o.c. at intermediate support locations.

Use 8d ring shank nails, screw shank nails, or other code-approved fasteners for panels up to 3/4" thick. Use 10d ring shank nails, screw shank nails, 2" #9 wood screws, or other code-approved fasteners for panels greater than 3/4" thick. For optimal floor stiffness, polyurethane glue and screws 2" #8 hardened should be used. Fastener heads should slightly penetrate the panel surface.

Cutouts

Cutouts for plumbing and electrical components should be oversized by at least 1/4" to avoid a forced fit.

Finish Floor Covering

AdvanTech panels must be dry and clean prior to finished floor installation.

Residential carpet and pad: May be installed directly over AdvanTech flooring panels. Follow carpet manufacturer's instructions.

Commercial carpet: A minimum 1/4" underlayment is required. Follow commercial carpet manufacturer's instructions.

Vinyl/VCT: A minimum 1/4" underlayment is recommended. Follow finish flooring manufacturer's instructions.

Hardwood floors: May be applied directly over 23/32" AdvanTech flooring panels. For installation of the hardwood flooring, follow the recommendations of the finish flooring manufacturer.

Ceramic tile: Underlayment is required per ANSI Standard A-108 with noted exception of 1-1/4" cement mortar application method. Follow tile and mortar manufacturer's instructions.

Lightweight concrete: May be applied over AdvanTech flooring panels following lightweight concrete manufacturer's instructions.

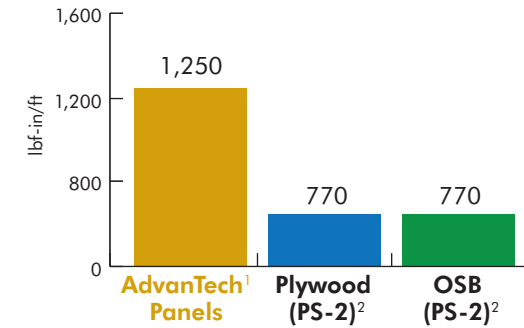
Radiant heating: AdvanTech flooring products may be used with building code approved radiant heating systems provided these systems are properly installed and maintained per manufacturer's recommendations.

Please contact Huber Engineered Woods for applications not listed above.

Product service conditions: It is recommended that adequate ventilation be provided (per applicable building code) and that ground cover vapor barriers be used in crawlspace applications. In addition, panels should be acclimated to service moisture conditions before applying necessary finish flooring. Water seals and other water repellent coatings may not be used with AdvanTech flooring products.

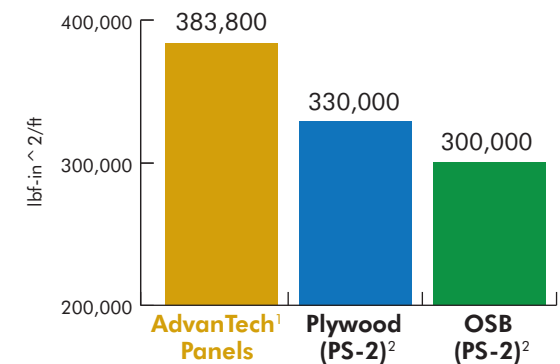
Design Bending Strength

24" o.c. Floor Panels



Design Bending Stiffness

24" o.c. Floor Panels



1. ICC ES Evaluation Report ESR-1785. 2. Independent IAS accredited testing facility 2006 Design Capacities for OSB Report and 2006 Design Capacities for Structural Plywood Report.

Allowable Uniform Floor Loads¹ for AdvanTech Panels, loads in PSF, normal duration of load

PANEL SPAN RATING	NOMINAL PANEL THICKNESS (inch)	MAXIMUM SPAN ² (inches, c-c)	PRIMARY AXIS PERPENDICULAR TO SUPPORTS								
			Span, in. c-c								
			12	16	19.2	24	30	32	36	40	48
20 oc	19/32	20	300+	300+	212	103	50	41	36	26	17
24 oc	23/32	24	300+	300+	300+	166	82	67	58	42	27
Str. 1 32/16	1/2	16	300+	220	120	58	28	23	20		
Str. 1 40/20	5/8	20	300+	300+	230	110	55	45	40	30	
		CONTINUOUS SPANS	3-Span	3-Span	3-Span	3-Span	3-Span	3-Span	2-Span	2-Span	2-Span

1. Load-Span Tables for AdvanTech Panels, HUB 160. See advantechperforms.com for additional load-span tables. Total load deflection limited to L/360. 2. 2006 International Residential Code, Table R503.2.1.1(1).