

Trubord Windstorm

Pinnacle

TallWall Solarbord



Information Sheet

TruFlor

Stabledge

General – Norbord OSB does not contain any added Urea Formaldehyde resins. For installation instructions refer to the APA's Engineered Wood Construction Guide E30V installation document and/or the appropriate building code and/or the design professionals specifications. Information relevant to certification, span ratings, bond classification and mill identification are included in the APA grade stamp applied to every panel when applicable.

Handling and Storage - Refer to the APA's Engineered Wood Construction Guide E30V.

Exposure to Moisture – All rated Norbord OSB has an Exposure1 bond classification. Although panels should not be directly exposed to the weather or moisture on a continuous basis, the Exposure 1 on Norbord OSB indicates that unprotected exposure during ordinary construction periods will not adversely affect the structural properties. Exposure to adverse moisture conditions could result in edge swell. Sanding may be required to level uneven edges prior to finish-covering application. Exposure to certain moisture conditions could also result in development of mould and mildew.

Roof or Floor Sheathing – Norbord OSB used as roof or floor sheathing should be applied with the grade stamp facing down. Always read the grade stamp for up-to-date information.

Installation – Follow the APA Engineered Wood Construction Guide E30V and/or your local building code or design professional's instructions. All panels must be spaced 1/8" along all edges (T&G panels are to be spaced 1/8" on the square edges). Panels are sized to allow this spacing. Tip: use a 10D nail as a space guide. For every continuous section of panels exceeding 80 feet in length, a 3/4" expansion point is required, refer to E30V for details.

Nail spacing and type – Refer to the APA's Engineered Wood Construction Guide E30V. Always consult your local building official for local requirements and/or design professional's instruction. Staples must be equivalent to the specified nails and may require different spacing (refer to ESR-1539). Windstorm wall sheathing in high wind applications must be installed to a design professionals fastener schedule.

Ventilation/Moisture Control must be provided in unheated attics and crawl spaces. Net vent openings of at least 1/150th of the attic or crawl space horizontal area are recommended. Attic ventilation should be divided equally between roof and soffit. Exhaust fans must be ducted outside the structure. Building codes require an impermeable moisture barrier on top of the ground cover in all crawl spaces. Ventilation and moisture control are the Builder's and/or the Owner's responsibility.

Recommended Uses for Norbord OSB

This End-Use Summary outlines proper spanning capabilities recognized in the U.S. and Canada (as indicated). These uses are recognized through leading code agencies in the U.S. and Canada. Regional codes are subject to periodic changes and local codes can vary widely. It is the responsibility of the user to conform to current requirements of local building authorities.

	0	Cotomony	Max. Support Spacing (in.) o.c.		Ŭ		
Application	Use	Thickness	U.S. Applications	Canadian Applications	Notes		
Combination	Sturd-I-Floor	19/32 T&G	20	20	Apply panels perpendicular to supports. Combination		
Subfloor	/ Tongue and	5/8 T&G	20	20	subfloor underlayment panels must have the T&G edges		
Underlayment ^{*+}	Groove	23/32 T&G	24	24	lightly butted & the square edges spaced 1/8". Some joint		
		3/4 T&G	24	24	sanding may be required if panels are exposed to moisture.		
		7/8 T&G	32	32			
		1 T&G	32	32			
		1¼ T&G	48	48			
Subflooring ⁺	Sturd-I-Floor	7/16	16	N/A	Apply panels perpendicular to supports. If T&G panels are		
	or Rated	15/32, 1/2	16	16	not used, panel edges must be adequately blocked. Space		
	Sheathing	19/32, 5/8	20	20	all edges 1/8". Cover with minimum 1/4" underlayment",		
	_	23/32, 3/4	24	24	accepted lightweight or gypsum concrete", structural wood		
		7/8, 1, 1⅓	32	32	flooring", or block edges.		
Roof Sheathing	Sturd-I-Floor	3/8	24	16	Apply panels perpendicular to supports. Space all panels		
(Except for flat	or Rated	7/16	24***	24	edges 1/8". Except where noted, edge support is required		
roofs used as	Sheathing	15/32, 1/2	32	32	at maximum spans. Use 2 panel H-clips between supports		
walking decks)	_	19/32, 5/8	40++	40++	spaced 48". Tongue & Groove edges (5% & 3/4) or lumber		
		23/32, 3/4	48	48	blocking. When used, H-clips aid in properly spacing the 8'		
		7/8, 1, 1⅓	60	60	panel edges. Panels marked "Wall Use Only" are not to be		
					used in roof applications.		
Wall Sheathing	Rated	3/8 & greater	24	24	Panels may be applied parallel or perpendicular to supports.		
	Sheathing				High wind areas require panels to be installed vertically.		
					Space all panel edges 1/8". All panel edges shall be		
					supported by blocking for wall sections used in lieu of let-in		
					corner bracing.		
Ceilings and	Sturd-I-Floor	3/8 & greater	24	24	Apply panels perpendicular to supports. Space all panel		
Soffits	or Rated				edges 1/8". Protect the underside of the exposed Norbord		
	Sheathing				OSB soffit with a quality acrylic latex exterior paint system.		
Utility	Not	1/4	16	16	No code approvals are available for structural uses.		
-	Applicable				Excellent Do-It-Yourself panels for decoration & general		
					purpose use. Space all panel edges 1/8". For best results		
					use blocking along all edges and at mid length. A vapour		
					barrier is recommended on the warm side in wall paneling		
					applications.		
* Suitable as base fo	r carpet, wood strip	or parquet flooring only	I The use of any vinyl	flooring requires the	e use of an approved underlayment on top of the OSB Subfloor. **		
Follow material manu	Follow material manufacturer's instructions. *** Edge support not required at 24" span. + If finished floor is to be adhesive-bonded resilient flooring, always use an approved						
underlayment, following the manufacturer's instruction, over Norbord OSB. ++ Sturd-I-Floor max support spacing 32" o.c.							

Specifications Norbord OSB Product Line Performance Rated Span Ratings Tongue 4x9 & Windstorm Category Under & Groove Struc1 Bond Thickness **PRP-108** 4x10 Wall Wall CSA-Roof/Floor Combination Edges Available Classification 0325.0.07 PS-2-10 or Rated Subfloor/ Sheathing Sheathing Available (Canada) (US) Sheathing Underlayment 1/4 3/8 24/0 $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ 7/16 $\sqrt{}$ $\sqrt{}$ 24/16 $\sqrt{}$ $\sqrt{}$ 15/32 $\sqrt{}$ $\sqrt{}$ 32/16 $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ 32/16 $\sqrt{}$ 1/2 19/32 $\sqrt{}$ $\sqrt{}$ 40/20 20" o.c. $\sqrt{}$ $\sqrt{}$ Exposure 1 40/20 5/8 $\sqrt{}$ $\sqrt{}$ 20" o.c. $\sqrt{}$ 23/32 ^A $\sqrt{}$ $\sqrt{}$ 48/24 24" o.c. $\sqrt{}$ $\sqrt{}$ 3/4 ^A $\sqrt{}$ $\sqrt{}$ 48/24 24" o.c. $\sqrt{}$ $\sqrt{}$ 7/8 $\sqrt{}$ 32" o.c. $\sqrt{}$ 60/32 $\sqrt{}$ 60/32 32" o.c. 1 $\sqrt{}$ $\sqrt{}$ $\sqrt{}$ 11/8^A $\sqrt{}$ 60/32 48" o.c. $\sqrt{}$ $\sqrt{}$

^AAlso available in Full Face

For Allowable Uniform Roof Live Loads for Norbord OSB rated sheathing panels, with long dimension perpendicular to supports (U.S. applications)¹ refer to the APA's Engineered Wood Construction Guide E30V.

		Maximum Span (inches) o.c.		Notes	
Span Rating	Category Thickness	With Edge Support ²	Without Edge Support		
24/0	3/8	24	20 ³	¹ The allowable loads were determined using a dead load of 10psf. If the dead load	
24/16	7/16	24	24	exceeds 10pst, the live load should be reduced accordingly.	
32/16	15/32, 1/2	32	28	² Tongue-and-groove edges, panel edge clips (one between each support, two between	
40/20	19/32, 5/8	40	32	supports at 48" o.c.), lumber blocking or other support.	
48/24	23/32, 3/4	48	36	³ 24" for CAT 15/32 and ½ panels.	
60/32	7/8, 1	60	40		
60/32	11/8	60	48		

For Allowable Uniform Floor Loads Norbord T&G Sturd-I-Floor Panels (U.S. Applications)¹²³ refer to the APA's Engineered Wood Construction Guide E30V.

		Span (Inch) o.c.	Notes	
Panel Span Rating	Category Thickness		¹ Panels are continuous over two or more spans and installed with the long panel	
20" o.c.	19/32, 5/8	19.2		
24" o.c.	23/32, 3/4	24	² Uniform load deflection limitations: L/360 of the span under 85 spf.	
32" o.c.	7/8, 1, 1½	32	³ Edges must have tongue-and-groove joints or must be supported with blocking	
48" o.c.	1½	48	Edges must have tongue and groove joints of must be supported with blocking.	

Panels thicker than ¼ are certified by the APA, the Engineered Wood Association, in compliance with APA's Performance Standards for Structural Use Panels with certified panels carrying the APA grade stamp and reference to product standards PRP-108 and PS 2-10.

Code recognition is through APA's ESR-2586 code evaluation report, which references the PS-2 standard. This report provides recognition by ICC.

For Canada, Norbord OSB panels comply with CSA Standard O325.0.07 Construction Sheathing.

Although Norbord OSB is widely recognized in Canada and the U.S., regional and local codes can vary widely.

It is the users' responsibility to comply with code requirements in their area.

Mills	Certification Agency	Mills	Certification Agency	
Bemidji, MN	APA #507	Jefferson, TX	APA #504	
Cordele, GA	APA #501	La Sarre, QC	APA #424	
Guntown, MS	APA #502	Nacogdoches, TX	APA #506	
Barton, AL	APA #503	Val d'Or, QC	APA #508	
Joanna, SC	APA #505			

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