Coho Bord

Coho Bord is an OSB panel for use in wall or roof sheathing and subflooring. Manufactured in the state-of-the-art factory in Ireland using superior resin systems for optimum moisture resistance and structural performance, Coho Bord is a suitable panel for offsite or onsite installation.

FEATURES AND BENEFITS

- Superior resin technology throughout the panel
- Sustainable wood supply chain
- Consistent properties
- PS 2 Certificated
- No core voids or delaminations
- Square edge panels identifiable with bright orange edge seal
- Manufactured with no added formaldehyde

www.cohobord.com

Coho Bord

RESIN TECHNOLOGY - NO ADDED FORMALDEHYDE

Coho Bord is manufactured by using thermosetting PMDI throughout to provide enhanced strength, dimensional stability, durability and moisture resistance. This specialist resin formulation provides a supreme bond with the wood strands as it has a reaction with the wood itself, when put under intense heat, creating a chemical weld.

This is a different and superior type of bond to the mechanical weld that formaldehyde-based products exhibit. Depth of penetration is well beyond the minimum 0.3 mm needed for a wood resin to provide adequate adhesive strength. As a fully water-resistant resin when set it provides enhanced moisture resistance throughout the panel.

QUALITY AND SUSTAINABILITY

Coho Bord is manufactured in compliance with U.S. Voluntary Product Standard PS 2 and independently verified by PFS TECO. All panels are marked with the category, span and exposure ratings, date & time stamp and strength axis.

Coho Bord panels manufacturing site Quality Management System is ISO 9001 certified by the National Standards Authority of Ireland and operates under an Integrated Pollution Prevention Control (IPPC) licence, which is monitored by the Environmental Protection Agency (EPA) in Ireland.

The panels are manufactured using logs from sustainably managed forests that are owned by our parent company Coillte.

Coillte is responsible for managing 440,000 hectares of primarily forested lands. It is Ireland's largest forester and producer of certified wood, a natural, renewable and sustainable resource. Coillte is also the largest provider of outdoor recreation in Ireland, it enables wind-energy on the estate, manufactures panel-board wood products and undertakes nature rehabilitation projects of scale. Coillte delivers the multiple benefits of forestry, including forests for climate, for nature, for wood and for people.

Coillte's forest management is certified as sustainable by the FSC®[1] (Forest Stewardship Council®) and the PEFC[2] (Programme for the Endorsement of Forest Certification). Both FSC® and PEFC forest management certification schemes which audit and inspect forest managers to ensure their work meets strict forest management standards against social, economic and environmental criteria.

[1]FSC® licence code FSC- C005714

[2]PEFC licence code PEFC/17-23-042

PERFORMANCE CATEGORY AND AVAILABLE SIZES

Coho Bord panels are available in 7/16 and 23/32 categories.

All panels are Exposure 1 rated. Exposure 1 rating is a bond classification for structural panels intended resist the effect of moisture on structural performance due to construction delays or other conditions of similar severity. This is achieved throughout the panel by the use of the superior resin technology which eliminates the need for performance edge sealing of panels.

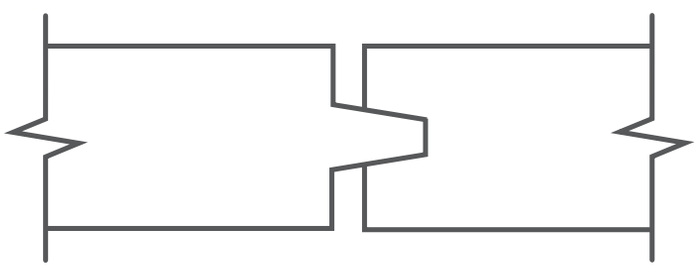
TABLE 1:

Coho Bord Specifications:

Category	PS 2 Span Rating	Available Panel Sizes	Edges
7/16	24/16	4' x 8'	Square edges. Orange edge spray for identification
		4' x 9'	
		4' x 10'	
23/32	48/24	47-1/2 x 95-7/8 (Net face width inches)	Tongue and groove on long edges

Coho Bord 7/16 category panels are cut and sized for spacing to allow for industry recommended spacing of 1/8 inch expansion joint to accommodate panel expansion between panels. In addition the panels are marked with nail lines for vertical fixing on stud framing at 16 inch and 24 inch spacing.

Coho Bord 23/32 category panels are supplied with tongue and groove at the long edges, this profile includes a gap for expansion.



Coho Bord

STORAGE AND HANDLING

Careful transportation, storage and handling are important to maintain panels in their correct condition for use. Precautions must be taken during storage, prior to delivery and on site to minimize changes in moisture content of the Coho Bord panels due to weather.

Panels must be stored on dry bases, and packs must be evenly supported on bearers spaced at regular intervals. Packs should be sheeted with tarpaulins or other impervious material so arranged to give full cover, but at the same time to permit free passage of air around and through the pack.

APPLICATIONS

When installing roof, wall, or subfloor sheathing it is essential to comply with local safety and building regulations and recommendations provided in this document. Further information and guidance for all applications can be found from the APA (www.apawood.org) or from PFS TECO (www.pfsteco.com).

WALL SHEATHING

Coho Bord 7/16 category panels can be used for wall sheathing with a maximum stud spacing of 24 inches. The panels can be installed with the strength axis either perpendicular or parallel to the studs. When installed horizontally, vertical joints should be staggered.

To prevent problems associated with expansion of panels due to an increase in moisture content, wall sheathing should be installed with 1/8 inch gaps at panel ends and edges and around window and door openings.

Fasten Coho Bord sheathing panels directly to framing members with 6d common nails or deformed shank nails. Other nails, staples or screws can be substituted for common nails when their capacity is sufficient for the intended purpose and local code allows such substitution. Fasten panels 3/8 inches from the panel edges with nail spacing of 6 inches along supported edges and 12 inches at intermediate supports.

ROOF SHEATHING

Coho Bord panels can be used as the primary structural component of roof systems and are effective under a variety of roof coverings. The strength axis is marked on each panel with an arrow. The maximum span is 24 inches for 7/16 category panels and 48 inches for 23/32 category panels, refer to Table 2 for edge support requirements and allowable roof live loads.

Install Coho Bord panels over two or more spans with strength axis perpendicular to the supports and with 1/8 inch gap between panels. All panel ends must be joined over framing and end joints should be staggered. Panel edge clips may be required during the installation to achieve the maximum span. For support spacing 16 inches on centre or less, one clip should be centred between supports; use at least two clips, equally spaced, when support spacing is greater than 16 inches on centre.

Fasten Coho Bord panels directly to framing members using 8d common nails, deformed shank nails or other code-approved fasteners. Fasten panels 3/8 inch from the panel edges with nail spacing of 6 inches along supported edges and 12 inches at intermediate supports.

Ensure proper ventilation that meets or exceeds all applicable building codes, and cover Coho Bord panels as soon as possible with shingle underlayment or roofing felt for protection from weather exposure. The surface of the roof sheathing should be dry and clean before installing any part of the roof covering.

TABLE 2:

Allowable uniform roof live loads for panels with strength axis perpendicular to supports[1]

Span Rating	Normal Panel Thickness (inches)	Maximum Span (inches)		Allowable Live Load[2] (psf)						
		With Edge Support[3]	Without Edge Support	Spacing of Supports Centre-to-Centre (inches)						
				12	16	19.2	24	32	40	48
24/16	7/16	24	24	190	100	65	40			
48/24	23/32	48	36				175	95	45	35

Notes:

1 For panels minimum 24 inches wide.

2 Allowable spans determined using a dead load of 10 psf. If the dead load exceeds 10 psf then the live load shall be reduced accordingly.

3 Tongue and groove edges, panel edge clips, lumber blocking or other.

SUBFLOORING

Coho Bord comply with the grade Sheathing Span Exposure 1 and therefore are suitable as subflooring installed directly to the floor framing. Floor framing can be wood based or cold formed metal. The strength axis is marked on each panel with an arrow. The maximum span is 16 inches for 7/16 category panels and 24 inches for 23/32 category panels.

Install Coho Bord panels over two or more spans with strength axis perpendicular to the supports and with 1/8 inch gap between square edge panels. All panel ends must be joined over framing and end joints should be staggered. The long edges should be tongue and groove or supported with blocking (except where a separate underlayment, 1-1/2 inch lightweight concrete or 3/4 inch wood strip flooring is to be installed)

Fasten Coho Bord panels directly to framing members using 6d common or deformed nails for 7/16 category panels, and 8d common nails or 6d deformed nails for 23/32 category panels. Wood screws and deformed shank nails or other code-approved fasteners can also be used. Fasten panels 3/8 inch from the panel edges with nail spacing of 6 inches along supported edges and 12 inches at intermediate supports.

Subflooring can be glued to increase the floor stiffness, improve the overall performance, and reduce squeaks. Adhesives conforming to ASTM D3498 or AFG-01 should be used to glue the panels to the framing and tongue and groove joints, recommendations of the adhesive supplier must be strictly followed.

Squeaks and protruding nails in floors will likely be eliminated when subfloor panels are installed with 1/8 inch gap between square edge panels, allowed to acclimatize prior to installation, installed on dry wood framing members, by fully gluing the panels (on framing and at tongue and groove) and fastened using deformed shank nails or screws.

CONTACT US

For further information and/or technical advice please contact us on the below:

usaenquiries@mdfosb.com
+ 44 (0) 1322 424910

NSAI QUALITY ISO 9001:2015 NSAI Certified

FSC www.fsc.org FSC® C019958 The mark of responsible forestry

FINISH FLOORS OVER COHO BORD PANELS

Before the finish floor is installed the panels must be cleaned and checked for any protruding nails. It is recommended to install the finish floor after the panels have been allowed to dry if subjected to severe moisture conditions during construction. If excessive wetting occurred and caused edge swelling, those edges must be sanded.

Underlayment, lightweight concrete and hardwood flooring can be installed on subflooring. Ceramic tiles may be installed over the underlayment. In all cases specific installations recommendations including floor support spacing should be checked. Further information is provided by the APA (www.apawood.org) or from PFS TECO (www.pfsteco.com).

LIMITATIONS AND DISCLAIMER

This technical data sheet is provided for information purposes only and no liability or responsibility of any kind is accepted by SMARTPLY EUROPE DAC or their representatives.

SMARTPLY EUROPE DAC have used reasonable efforts to verify the accuracy of any advice, recommendation or information. SMARTPLY EUROPE DAC reserves the right to alteration of its products, production information and range without notice.

IMPORTANT NOTES

The recommendations provided in this technical data sheet for the correct use of Coho Bord are specifically designed to ensure longevity and performance of this quality product in service. It is therefore essential that these recommendations are strictly followed.

The product is designed to be installed by a competent general builder or contractor, experienced with this type of product, in strict accordance with the technical guidance provided in the relevant product technical data sheets.

SMARTPLY EUROPE DAC cannot be held responsible for damages arising from non-adherence to these recommendations, or product failures resulting from inadequate structural design or misuse of this product.

In order to provide comprehensive guidance for the correct use of Coho Bord, this technical datasheet makes reference to relevant US standards. SMARTPLY EUROPE DAC cannot be held responsible for claims arising from the use of any information that has been extracted from such sources.