

EGGER Product management

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## Installation recommendation for span-rated subflooring

EGGER OSB exp.1 PS 2-18  
Tongue & Groove



### EGGER OSB – Made by experience

#### Product information



EGGER OSB exp.1 PS 2 panels are made in EGGER's modern OSB plants from environmentally sustainable wood resources. An Environmental Product declaration acc. to EN 15804 provides necessary sustainability information.



EGGER OSB exp.1 PS 2 is bonded adding no formaldehyde (NAF) for a healthy indoor environment. The advanced resin type combined with enhanced moisture protection provides the panel with the strength and durability for humid conditions.



EGGER OSB exp.1 PS2 T&G2 is manufactured with an asymmetric tongue & groove profile at the long edge. The proven shape of the tongue and groove profile leads to a quick installation. 4' x 8' T&G2 boards have a 47-1/2" net face width. The T&G profile is self-spacing on the bottom and top side with a 1/16" expansion gap preventing squeaking floors.



EGGER OSB exp.1 PS2 T&G2 have an unsanded surface layer achieving a high R10 slip resistance rating (German DIN 51130:2014).



EGGER OSB exp.1 PS2 T&G2 can be installed quick and easy thanks to the printed 24o.c. nailing pattern. The nailing pattern on the top surface of EGGER OSB exp.1 PS2 has the spacing required as per the TECO span-rated floor® rating 24" o.c.. This means that you do not have to mark the panel additionally during installation.

#### Compliance with PS 2-18

- EGGER OSB exp.1 PS 2 panels have shown compliance with PS2-18 under surveillance and product qualification testing provided by PFS TECO Corporation.
- The manufacturer EGGER has demonstrated compliance with PFS TECO's policies and is an approved manufacturer of the listed products - see [OSB\\_Products\\_262.pdf \(pfsteco.com\)](#).

## Delivery program

Nominal Length x Width	Thick-ness	Net face width	Area per panel [net coverage area]	Pcs.per package**	Area per package
4' x 8' (48" x 96")	23/32"	47-1/2"	31 1/3 sqf (4560 in <sup>2</sup> )	50	1566 sqf
2440 x 1218 mm	18 mm	1206 mm	2,94 m <sup>2</sup>	50	147,13 m <sup>2</sup>

\* Net face width size incl.1/16" expansion gap

\*\* Ships with protective foil cover.

## General information

### Storage and Handling

EGGER OSB span-rated floor is manufactured to the Exposure 1 bond classification foreseen in applications and uses not permanently exposed to the weather elements. They are intended resisting the effects of moisture on structural performance due to construction delays or other conditions of similar severity, proper handling and storage assumed.

Please follow the basic rules.

- Ship and store panels under tarp.
- Set bundles on supports to keep approx. 4" off the ground
- When storing outdoors, cover panels loosely with water-proof protective material.
- Anchor covers on the top of the stack, but keep away from sides and bottom to assure good air circulation.
- When high moisture exists, cut banding on the stack to prevent edge damage.
- When 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.
- Handle the units with care when moving them with heavy equipment

## Installation

### Panel Installation

- Install panels over two or more spans with the long dimension perpendicular to the floor framing.
- Install panels with the certification stamp facing up to enable inspection by local building officials.

### Panel Spacing

- Tongue & groove panels are designed to self-space on T&G edges bottom and top side, 47-1/2 inch net face width.
- Space 4' squared edged panel ends a minimum of 1/8" at time of installation.
- End joints of adjacent panel runs should be staggered. Square edge panels shall be installed with a minimum spacing of 1/8" on all panel edges at time of installation.

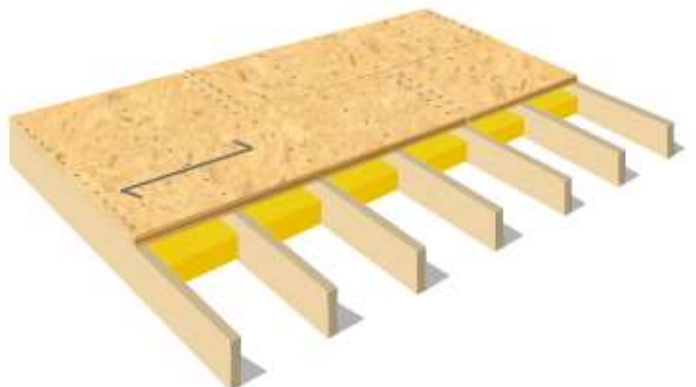


Figure 1: Laying of span-rated subfloor



## Fastening

- Glue and nails or glue and screws should be used to insure greater floor stiffness.
- Gluing helps eliminate nail-popping and floor squeaks.
- Use only solvent-based glue which conforms to industry standards, and follow manufacturer's recommendations.
- Before each panel is placed, a line of solvent-based glue should be applied to the joist. A 1/4" bead of glue is recommended.
- Fasteners should penetrate framing members at least 1" (25 mm).
- Apply fasteners 3/8" from panel edges.
- Space fasteners 6" o.c. on supported edges (4' ends) and 12" o.c. at intermediate support locations. Insure that all corners are securely fastened.
- Use 6d ring shank nails or screw shank nails for panels 3/4" thick or less, and 8d ring shank nails or screw shank nails for thicker panels. 7/16" crown chisel point staples approved, but not recommended.



Figure 2:  
Gluing of Tongue and Groove  
along the long panel edge

## Fire Rating

- EGGER OSB exp. 1 PS 2 span-rated floor 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.

## Floor Coverings

- *Carpet and pad:* May be installed directly over EGGER OSB flooring panels. Prior sanding may be required.
- *Vinyl:* A minimum 1/4" underlayment is recommended. Follow finished flooring manufacturer instructions.
- *Hardwood floors:* May be applied directly over 23/32" EGGER OSB flooring panels. For installation of the hardwood flooring follow the recommendations of the manufacturer.
- *Ceramic tile:* Underlayment is required per ANSI Standard A-108 with noted exception of 1-1/4" cement mortar application method. Do not apply ceramic tiles directly to the OSB surface.
- *Lightweight concrete:* May be applied over EGGER OSB exp. 1 PS 2 following lightweight concrete manufacturer's instructions.

## Radiant Heating

- EGGER OSB may be used with building code approved radiant heating systems provided these systems are properly installed and maintained.

## Cut-outs

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

## 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.
- Panels shall be acclimated to service moisture conditions before applying necessary finish flooring.



## Non-application recommendation

- The OSB boards may be used only within the limits of the technical limits and properties. The technical properties and standard classifications of the OSB boards for use in construction are deposited in the technical data sheets and certificates of conformity (PFS TECO - List of Approved Products), which can be found on our homepage at [www.egger.com](http://www.egger.com). Use outside these values requires separate testing of the OSB boards.
- When processing the OSB boards, only use suitable machines and tools. In case of doubt, consult the respective machine or tool manufacturer.
- When using OSB panels in timber construction and interior finishing, suitable fastening materials must be used. In case of doubt, consult the respective manufacturer of the fastening materials.
- When processing and using OSB panels, it is not recommended to exceed 50°C. Otherwise, the technical properties may be altered, resulting, for example, in flammability and fire hazards, as well as surface damage.
- The use of EGGER OSB in outdoor areas (e.g. facades) or in spatial situations with constantly recurring moistening by precipitation and splash water is not permissible. The OSB boards corresponding to the bonding quality Exposure 1 shall not come into direct contact with water or other liquids on a recurring basis, except during the construction period with short-term exposure to precipitation. Otherwise, the technical properties may change, resulting in loss of strength due to wood-destroying fungi rotting and the risk of breakage.
- **WARNING!** The OSB boards are not food contact materials. Foodstuffs should only come into contact with the OSB panels if they are washed or peeled before consumption, as otherwise substance migration cannot be ruled out. Such substance migration can possibly lead to damage to health.

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### Provisional note:

This packaging guideline has been carefully drawn up to the best of our knowledge. The information provided is based on practical experience, in-house testing and reflects our current level of knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. In addition, technical modifications may result from the continuous further development of EGGER OSB product range, as well as from changes to standards and public law documents. The contents of this guideline should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.

