MORE FROM WOOD.

EGGER

EGGER OSB 3

THE RIGHT CHOICE FOR ROOFING

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MAKE THE RIGHT DECISION

EGGER OSB BOARD TYPES

EGGER OSB 3

A load bearing board with outstanding mechanical properties, suitable for use in situations where relative humidity of air = up to 85%. Area of applications: **dry and humid conditions** (e.g. roofing)

EGGER OSB 2

A load bearing board which offers high dimensional stability and durability, engineered for preformance in situations where relative humidity of air = up to 65%. Area of applications: **only dry conditions** (e.g. interior walls)

EGGER OSB 3 in roof construction

According to EN 335 (wood preservation) regulations, roof structures are to be evaluated as applications in **humid conditions** and require the use of **OSB 3 boards**.

DELIVERY PROGRAMME

EGGER OSB 3

Product/ length × width (mm)	thickness (mm)													
	6	8	9	10	11	12	15	18	20	22	25	30	35	40
Square edge unsanded														
5.000 × 2.500							●**	●**		●**	●**			
5.000 × 1.250							●*	●*		●*	●*			
2.800 × 1.250						●	●*	●*						
2.500 × 1.250	●	●	●	●	●**	●	●	●	●**	●	●			
2.440 × 1.220 NEW!					●		●							
T&G 4 unsanded														
2.500 × 675						●	●	●		●	●**			
2.500 × 1.250						●	●	●						

EGGER OSB 2

Product/ length × width (mm)	thickness (mm)													
	6	8	9	10	11	12	15	18	20	22	25	30	35	40
Square edge unsanded														
2.440 × 1.220			●	●	●		●	●						

* Minimum delivered quantity is 2 full trucks, approximately 70 m³

** Customer order with minimum order volume (MOV) 250 m³ for the first order, 500 m³ for the following orders

For a size that is not mentioned please ask for a quotation

WHY TO USE EGGER OSB 3 INSTEAD OF OSB 2?

1

EGGER OSB 3 is the recommended board for aplications in humid conditions (e.g. roof installation)
A roof structure with OSB 3 has a longer lifetime than with OSB 2

2

EGGER OSB 3 offers higher moisture resistance and safety against unexpected wetting, reducing the risk of deformation in the roof covering or loosing the fixing strength of the fasteners

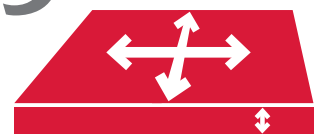
3

According to EN 13986 EGGER OSB 3 (for thickness 9-11 mm) is normal combustible, has medium smoke release and no burning droplets. OSB 2 instead (same thickness) is a highly combustible product, which is a class lower than OSB 3

6

EGGER OSB 3 complies with the Eurocode 5 (building code) requirements for external components like roof and external wall

5



EGGER OSB 3 swells, shrinks and expands less than OSB 2, providing 30% less dimensional change in length and width and 20% less swelling in thickness

4

EGGER OSB 3 has a higher density which assures a higher durability of the product and saves refurbishment costs

MOST IMPORTANT TECHNICAL DIFFERENCES BETWEEN EGGER OSB 3 AND OSB 2

Characteristic	Standard	EGGER OSB 3		EGGER OSB 2	
Service class	EN 300	SC2 (dry & humid)		SC1 (dry)	
Raw density (ρ)	EN 323	≥ 600 kg/m³		≥ 580 Kg/m³	
Water vapour permeability (μ)	DoP	150 (humid) 200 (dry)		100 (6-10 mm) 150 (≥ 11 mm)	
Reaction to fire	EN 13986	E** (6-8mm) D-s2, d0* (≥ 9mm)		E** (≤ 11mm) D-s2, d0* (≥ 12mm)	
Swelling in thickness (24h immersion)	EN 317	≤ 15 %		≤ 20 %	
Dimensional change per 1 % change of moisture content	EN 318	length width thickness	0.02 % 0.03 % 0.5 %	length width thickness	0.03 % 0.04 % 0.7 %

* D = normal combustible, s2 = medium smoke release, d0 = no burning droplets

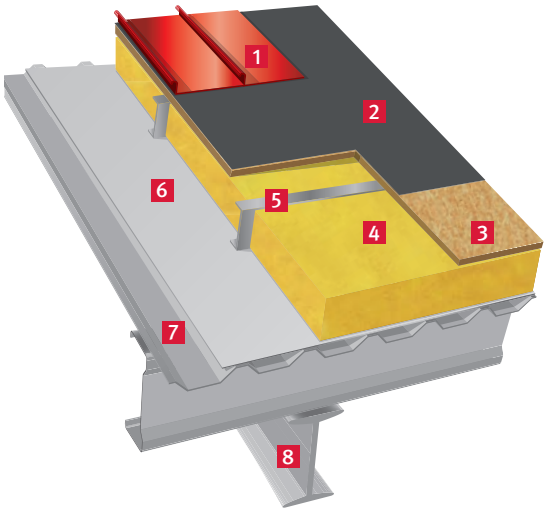
** E = Highly combustible

LONGLIFE PRODUCT FOR ROOFING

EGGER OSB 3

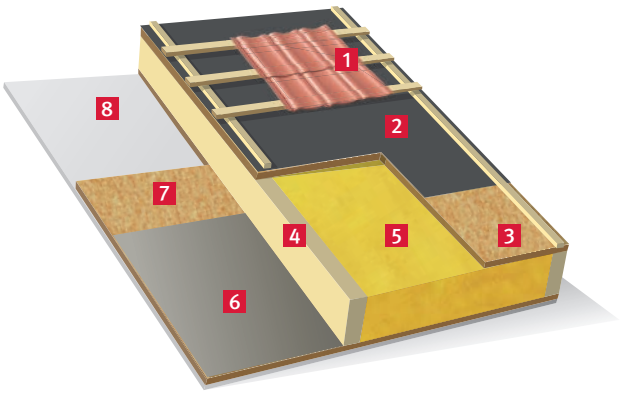
From all house components, the roof and the exterior walls are the most exposed to changes in weather. Thus, a correct planning and execution are most important here. Protection against overheating in summer, heat insulation in winter, adequate noise insulation, fire and moisture protection – all these can be reliably achieved with EGGER OSB 3 boards.

SAMPLE OF ROOF STRUCTURE USING EGGER OSB 3



METAL ROOF STRUCTURE

1. Metal roof panel
2. Steam equaliser
3. EGGER OSB 3, ≥ 11 mm
4. Stone wool insulation
5. Metal rafters
6. Vapour barrier
7. Corrugated sheet
8. Steel beams



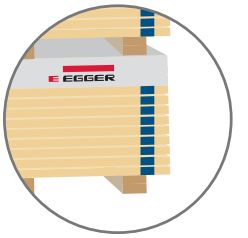
TIMBER ROOF STRUCTURE*

1. Roof covering
2. Sarking membrane
3. EGGER OSB 3, ≥ 11 mm
4. Wood rafters
5. Mineral wool insulation
6. Vapour barrier
7. EGGER OSB 3, ≥ 11 mm
8. Fire-rated plasterboard or gypsum fiberboard

* For more information please visit www.egger.com

STORAGE AND INSTALLATION INSTRUCTIONS OF OSB 3

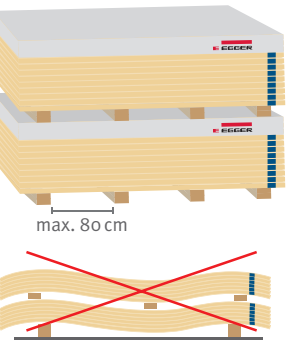
QUALITY MARKING



The easiest way to recognize the right quality.

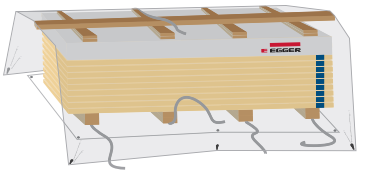
LOOK FOR THE BLUE COLOUR ON OSB 3!

WAREHOUSE STORAGE



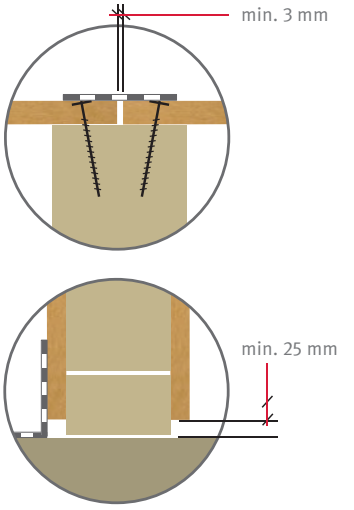
1. The OSB pallets must be stored on stable and horizontal platforms, in well ventilated indoor areas.
2. The pallet stacks must be spaced at maximum 80cm from each other, to avoid boards' deformation.
3. When several pallets are placed vertically, the wooden spacers must be aligned exactly on each other, to prevent distortion.

JOB-SITE STORAGE



1. In case of temporary outdoor storage, store the boards on wooden pallets or lumber of sufficient height to avoid their direct contact with ground, rain water, snow or vegetation.
2. Cover the boards with a foil, to protect against rain and snow, but allow free ventilation on sides and bottom. Cut the bands to prevent edge damage and unnecessarily stress in the product.
3. In order to prevent significant expansion of the boards in service, the panels must be acclimatized, for at least 48 hours before installation.

EXPANSION GAPS



For a safe and trouble free installation, the edges of OSB panels must be allowed to expand and shrink freely. Otherwise there is risk for panel sagging and squeaking noise produced by weakened embedded strength of fasteners. Recommendations:

1. Provide a minimum 3mm expansion gap between adjacent panels, on all 4 edges of each board.
2. For wall sheathing, allow a minimum 25mm gap to floor, at the bottom of panels.
3. For floating floors, a compensation gap of 15mm must be provided at the room perimeter, between floor and walls.
4. In case of OSB sheathing of areas bigger than 10m, a 10-15mm permanently elastic expansion gap must be provided on each direction, every 10 m.

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