

Quality Management ISO 9001:2015

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Technical leaflet

Storage Instructions for EGGER OSB and EGGER DHF



The following storage recommendations apply to all EGGER OSB (EGGER OSB straight edge, EGGER OSB tongue and groove, EGGER Roofing Board, EGGER Ergo Board) and EGGER DHF boards. They are designed to help you to avoid damaging the product during storage.

EGGER OSB is a rigid wood panel for structural use in constructions, in dry and humid conditions (service classes 1 & 2). It is made of three layers of thin wood strands with controlled cross orientation, bonded with a moisture resistant synthetic resin under pressure and high temperature conditions.

Typical applications for EGGER OSB boards

Main application areas	Typical applications
New timber-frame constructions	Structural floors on joists, floating dry-screeds, external and partition walls
Refurbishment of old houses	Floating dry-screeds, roof decking
Loft conversions	Structural floors on joists, floating dry-screeds
Lightweight storey additions	Structural floors on joists, floating dry-screeds, roof decking, partitions
Concrete shuttering	Shuttering formwork
Packaging	Protection boxes
Miscellaneous	Site hoarding
	Shelving

EGGER DHF is a vapour permeable medium density fibreboard for use in humid conditions as rigid external wall sheathing behind ventilated cladding in timber-frame constructions, or as bracing roof decking in diffusion-open pitched-roof constructions.

Typical applications for EGGER DHF boards

Main application areas	Typical applications
New timber-frame constructions	Rigid external wall bracing & sheathing
Refurbishments and loft conversions	Vapour permeable pitched-roofs decking



Storage information

Delivery

Careful inspection of incoming goods is an essential part of proper order processing and must be carried out before storing the product. Any EGGER products which seem to be damaged should not be installed. A suitable unloading facility must be provided (e.g. fork lift truck). EGGER OSB and EGGER DHF boards must be carefully transported and stored.

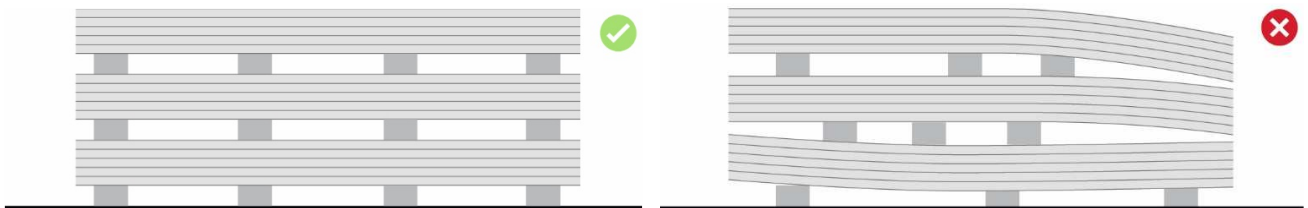
Humidity protection

When storing EGGER OSB and EGGER DHF boards, take appropriate measures to ensure that the material is not directly exposed to weather and excessive moisture, away from rain and snow. We recommend storage in dry and well ventilated rooms, with a relative humidity of 40 - 75%. Outdoor storage or storage under lean-to roofs without moisture protection cover material is not adequate. The boards should be stored for a while before being processed so that their humidity level when installed corresponds to the level expected during their service life.

The following storage rules must be observed and respected:

Indoor storage / Vertical stacking on ground

Stack the bundles indoor, on a stable and flat platform. Place underlays of equal height under each bundle when stacking bundles on top of each other, to ease forklift handling. Timber underlays with minimum 80 x 80 mm square section are recommended. The length of underlays must correspond to the width of the board stack. All underlays must be placed in a vertical line underneath each other (Image 1).



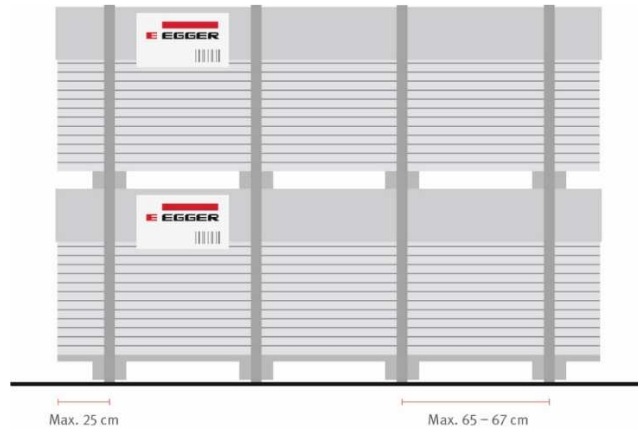
(Image 1)

Never place bundles of different formats in the same stack and avoid protruding boards in same format-stack (Image 2).



(Image 2)

The outer most underlays must be placed at maximum 250 mm distance from width-side of each bundle. Intermediate underlays must be spaced equally, to prevent excessive bowing of the panels. Typically, the panels with length of 2,440 and 2,500 mm require 4 underlays (Image 3), while longer formats (2,650 / 2,800 / 3,000 / 5,000 mm) need 5 or 6 underlays.



(Image 3)

Formation of stacks

EGGER OSB and EGGER DHF bundles should properly be stored flat in stacks, on dry and stable platforms, located in closed moisture-free buildings under normal climatic conditions. A safety spacing gap of minimum 10 cm must be provided between adjacent stacks, for edge protection. Basically local stacking and safety regulations apply. Maximum stack height: 6 times stack width (~ 8 m), which means:

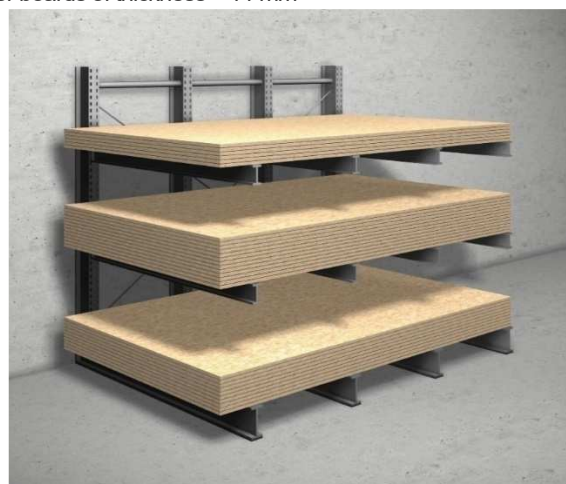
- Maximum 6 pallets stacking → for wide board formats (2,500 / 2,650 / 2,800 / 3,000 / 5,000 x 1,250 mm / 2,440 x 1,220 mm)
- Maximum 3 pallets stacking → for narrow board formats (2,500 x 675 mm / 2,800 x 600 mm / 2,400 x 600 mm)

The storage heights of the building must be taken into account.

Indoor storage / Horizontal stacking on racks

When storing EGGER OSB or EGGER DHF bundles or individual panels on a metallic rack, make sure that the rack is firmly secured to ground and strong enough to carry the cantilever load of stacked boards (bundles). The following maximum center-to-center distance between the steel cantilever supports must be respected, to prevent excessive panels bowing (Image 4):

- Max. 670 mm → for boards of thickness ≤ 10 mm
- Max. 1,000 mm → for boards of thickness ≥ 11 mm

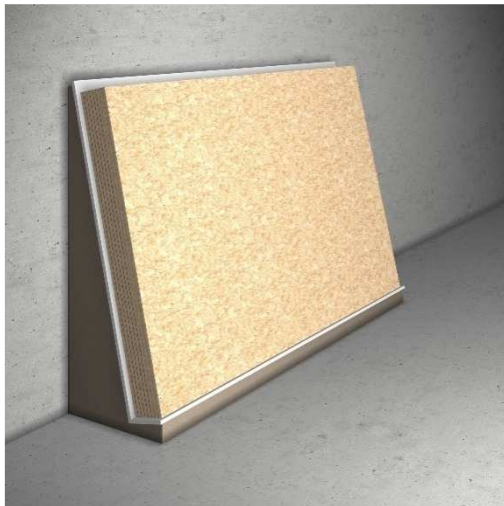


(Image 4)

If rack construction do not allow for span adjustment of the steel supports to the maximum spacing indicated above, then a rigid base (thick plywood, steel grid, etc) must be fixed on top of the rack's supports, so that load of the stacked product will be carried to cantilever arms via the rigid base, irrespective of the supports span-distance.

Indoor storage / Boards storage lean-to wall

Vertical boards storage against a wall is allowed for just a few panels, and only for a very short time period (exceptional temporary storage). For long-term storage, horizontal stacking is always preferable. Boards storage directly on ground should not be done. Instead, store the panels on a support frame, or alternatively, on 3-4 timber underlays, as indicated below (Image 5):



(Image 5)

Vertical storage requires that individual panels should lean mandatory with their long edge against a wall, in a minimum 10° angle. Panel storage width-wise (in the upright position, as shown in Image 6) is strictly forbidden.



(Image 6)

In case of boards with tongue and groove (EGGER OSB tongue and groove and EGGER DHF), the panels should always stand on the groove side, to avoid damaging the profile.

The lean-to-wall storage of EGGER Roofing Board and EGGER Ergo Board is not permitted.

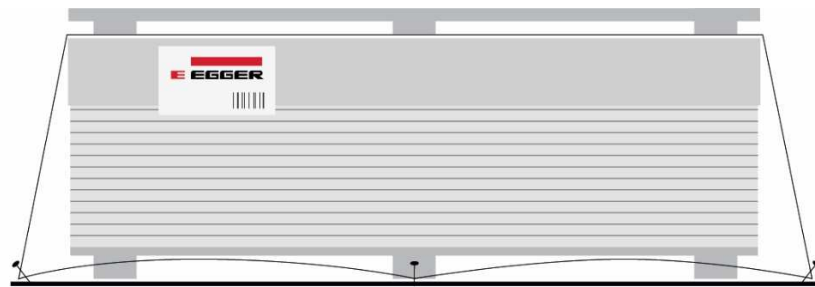


Outdoor storage on job-site

Outdoor storage must be kept as short as possible. It is preferable that boards are transferred and stored inside the building right after their dispatch on the jobsite, whenever possible. When outdoor storage cannot be avoided, additional moisture protection measures must be taken.

Boards should always be stored on wood pallets or lumber spacers of sufficient height, to avoid direct contact with ground, rain water, snow or vegetation. The metal / PET strapping bands of the product bundle must be carefully removed right after the boards were stored on the base platform, to release stress and allow product to cope rapidly with ambient humidity.

Protect the panels against moisture and unexpected rain (snow) by covering the boards bundle loosely with a waterproofing tarpaulin or plastic membrane (foil). Anchor cover on the top of the stack, but keep away from sides and bottom to ensure good air circulation, as indicated (Image 7). Make sure that cover material is firmly secured against wind blowing.



(Image 7)

Wrapping the bundle in stretch film should never be done, as it will lead to problematic swelling of the boards edges.

General note

Failure to comply with any of the recommendations explicitly described in this guideline will exempt EGGER from any liability or claim resulted from product damage or people injury.

Quality Characteristics / Technical Data of EGGER OSB and EGGER DHF products per type and thickness range are found in the corresponding Declaration of Performance available on www.egger.com.

Further information on Loading, Transport, Unloading and Handling are found in the "Transport and Handling Instructions for EGGER OSB and EGGER DHF".

Further information on Packaging are found in the "Packaging Guideline for EGGER OSB and EGGER DHF".

Further information on Acclimatization, Processing and Fastening are found in the "Processing Guideline for EGGER OSB and EGGER DHF".

Additional documents

Declarations of Performance EGGER OSB, Declaration of Performance EGGER DHF, Transport and Handling Instructions for EGGER OSB and EGGER DHF, Packaging Guideline for EGGER OSB and EGGER DHF, Processing Guideline for EGGER OSB and EGGER DHF

Provisional note:

These storage instructions have 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 and EGGER DHF 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.

