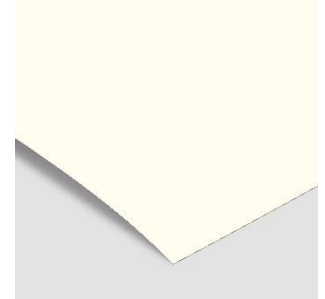


Technical leaflet

EGGER Laminates balancer



EGGER Laminates balancer are used for the reverse side of laminate bonded boards. They provide a symmetrical, tension-free structure.

Availability

The range of laminates in the **EGGER Decorative Collection** includes different laminate qualities in a nominal thickness of 0.80 mm. The laminates are used for the production of laminate bonded boards, based on chipboard, MDF-board or alternative substrates. Additionally, EGGER Laminates balancer named **GZW** (**G**egen**z**ug **W**eiß [balancer white]) are available in the following versions for the reverse-side covering:

- | | | |
|----------------------------------|-----------------------------|----------------------------|
| ▪ Balancer white (GZW) | Texture: SM Semi Matt | Nominal thickness: 0.80 mm |
| ▪ Balancer white XL (GZW XL) | Texture: ST37 Feelwood Rift | Nominal thickness: 0.80 mm |
| ▪ Balancer white roll (GZW roll) | Texture: SM Semi Matt | Nominal thickness: 0.60 mm |

Laminates GZW (XL) in nominal thickness 0.80 mm are available from stock and in quantity of one piece, according to the country-specific offer.

Storage / Processing

Storage

For the storage of laminate balancer the usual rules apply: Store in closed and dry rooms, protected from moisture, in the original packaging, on a pallet, under normal climatic conditions.

If the laminate sheets are not processed directly after opening the original packaging, which means some of the laminates delivered are to be stored again, the laminates need to be covered with a board over the entire surface. The protective board ensures the flatness of the laminate.

Processing

In general, it is important when producing laminate bonded boards to ensure that the tension is balanced out by using the right laminates. The same decorative laminates or white, neutral laminate balancer is used, depending on the thickness of the substrate and the application (reverse side not visible).

Especially with thin substrate boards ≤ 16 mm, laminates with the same decor and therefore identical on the front and reverse sides guarantee perfect tension balancing. In this context, it is also known as a symmetrical structure of the composite element.

An asymmetrical structure, that means different laminate thicknesses on the front and reverse side, generally causes distortion of the element and/or difficult flatness.

In addition to the backing used, the flatness can be influenced by further criteria:

- Substrate board type (chipboard, MDF-board, plywood, etc.)
- Substrate board thickness
- Wood moisture
- Adhesive application quantity
- Component size
- Pressing temperature

The thickness of the substrate and the type are important criteria and, in general, the thicker the substrate, the less critical the flatness. The pressing temperature also has a significant influence on the flatness. The production at room temperature (approx. 20 °C), that means a cold pressing, is to be preferred, as it results in a tension-free laminate bonded board. The pressing time can be shortened by increasing the temperature. This hot pressing increases the risk of tension. Therefore, care must be taken to ensure proper handling and cooling of the bonded boards.

Common reasons for the distortion of laminated composite elements are:

- very thin substrate board
- large dimensions of the laminate bonded board
- lack of strengthening or fastening of the composite element
- different laminate manufacturing direction on front and reverse side. The direction of manufacture can be identified by the grinding on the reverse side of the laminate.

It is generally correct to use a laminate balancer of the same nominal thickness. However, it is recommended to check the selection of a suitable laminate balancer by preliminary tests before producing the element. The production of asymmetrical composite elements is the responsibility of the fabricator.

Form of delivery

EGGER Laminates balancer can be supplied as rolls or cut to size, depending on the laminate thickness. Our order-related delivery options in overview:

Options EGGER Laminates balancer	
Nominal thickness – sheet form	≥ 0.40 mm to 1.20 mm
Nominal thickness – roll format	≥ 0.40 mm to 0.60 mm
Width	1,310 mm
Individual width	on request
Maximum length	5,600 mm
Minimum length	800 mm
Roll length	200 and 400 m
Core diameter	150 mm
Minimum quantity	260 m ²
Decor	white (GZW), brown (GZB)
Texture	SM Semi Matt

Care and cleaning recommendation

EGGER Laminates balancer do not require any special care due to their resistant and hygienic, dense surfaces. The surfaces are generally easy to clean. This also applies to textured surfaces. Do not use sanitary cleaners or detergents with abrasive components, as using such cleaners may lead to changes in the degree of gloss and/or scratch the material.

For detailed information, please refer to the leaflet "Cleaning and care recommendations for EGGER product surfaces".

Additional documents / Product information

You will find further information in the following documents:

- Processing Instructions "EGGER Laminates"
- Technical leaflet "Resistance to chemicals EGGER Laminates"
- Technical leaflet "Cleaning and care recommendations for EGGER product surfaces"

Provisional note:

This technical leaflet 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 development of EGGER Laminates balancer, as well as from changes to standards and public law documents. The contents of this technical leaflet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.