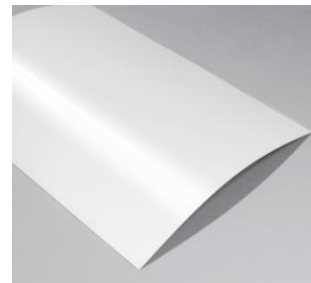


Technical datasheet

EGGER laminate balancer - GZW



In general, when manufacturing laminate composite elements, tension equalisation must be ensured with a suitable balancer. In this context, we may also speak of a symmetrical structure of the composite element, i.e., the use of identical laminate on the front and reverse side.

An asymmetrical structure generally leads to the element's warpage or insufficient flatness, and thus the production of asymmetrical composite elements remains the fabricator's responsibility.

In addition to the balancer used, flatness is also influenced by other criteria:

- Type of core board (chipboard, MDF, plywood board, etc.)
- Core board thickness
- Wood moisture content
- Amount of glue applied
- Size of component
- Press temperature

After the pressing, it is important to ensure proper handling and cooling of the composite boards. The core board thickness and the type of core board represent relevant criteria and the general rule is the thicker the board the less problematic. Using a laminate balancer with the same nominal thickness is generally appropriate. It is, however, recommended to verify the selection of a suitable balancer through pre-testing prior to producing the element.

Frequent causes of warpage include:

- Very thin core boards
- Large size of the laminate bonded board
- Lack of reinforcement or fastening of the composite board
- Different production direction on the front and the back side of the laminate. The production direction can be recognised by the finish of the laminate back side

The laminate offer of the EGGER Decorative Collection includes different laminate qualities and/or variants in the nominal thickness 0.80 mm. A White balancer labelled GZW can be used for making laminate composite boards based on chipboard and MDF core boards ≥ 18 mm thick. GZW in the nominal thickness 0.80 mm is a component of the EGGER Decorative Collection and is available from stock and from one item in line with country-specific delivery lists.

Alternative and/or thinner core boards require their own preliminary tests.

Provisional note:

This technical data sheet 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 suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. Furthermore, the continuous further development of EGGER laminates as well as the amendment of standards and public documents may result in technical changes. This technical data sheet is not an instruction for use and not a legally binding document. Our general Terms and Conditions apply.