



PRODUCT DATA SHEET

EGGER | EUROFORM® MED laminate

EUROFORM® MED laminate is a decorative laminate based on curable resins. The laminate has a multiple layer structure and consists of melamine resin impregnated décor paper and phenolic resin impregnated core layers. EUROFORM® MED laminate is suitable for many applications/areas of use as outlined below and also meets the requirements of the **Marine Equipment Directive (MED)** with regard to:

- Low Flammability
- Toxicity
- Smoke density

EUROFORM® MED laminate is certified with Lloyd's Register Verification Ltd. Depending on the area of use and requirements, a special overlay may be applied to the décor side.

USES/AREAS OF APPLICATION

EUROFORM® MED laminate is used for work surfaces, furniture fronts, window ledges, doors, tabletops, splashback panels and decorative end panels. EUROFORM® MED laminate is also suitable for interior applications in the ship building sector.

STORAGE/FABRICATION

STORAGE

We recommend storage in closed, dry rooms, in original packaging, lying on a pallet (approx. 20°C and 55 to 65% relative humidity). If the packaging is opened and the EUROFORM® MED laminate is not immediately bonded to a substrate, we recommend it should be suitably covered. EUROFORM® MED laminate will retain its postforming properties if stored correctly for up to 6 months.

FABRICATION

Suitable for bonding onto classic wood-based materials such as: Chipboard/MDF/HDF boards. Can be bonded using conventional urea resin glue and dispersion adhesives in presses (flat, short cycle and twin presses) using either hot or cold processes. To ensure successful fabrication, we recommend that EUROFORM® MED laminate and the substrate are conditioned in normal, temperate environments.

Wood-based materials such as coreboards and veneer boards require special care and press tests should be carried out before series production. Note that coreboards and veneer boards do not attain the same homogeneous structure of chipboards due to the use of veneer and/or solid wood.

Constituents such as veneer and/or solid wood do not attain the uniformity of dimensional changes in fluctuating climatic conditions that can be guaranteed with chips. However, a flat and tension-free coreboard is a prerequisite for a smooth surface, therefore coreboard calibration and a wood moisture content test (indoor application $\leq 8\%$) must be carried out. Materials that are worked while they are too moist tend to shrink over time, which may lead to cracks and warpage. When using Multiplex boards, veneer boards made of softwoods (e.g. poplar, birch, okoume, abachi) are most suitable. In the case of coreboards, laminated veneer with short strips and softwood-surface layers should be used to avoid surface irregularities.

Refer to the leaflet "EUROFORM® laminate processing instructions" for more information. Please follow the instructions provided by the machine manufacturer and adhesive supplier.

STOCK PROGRAMMES

Stocked **ZOOM®** décors are available in 2800 x 1300 x 0.8 mm or 3050 x 1300 x 0.8mm. Further décors in the Global Collection are order-specific and are produced subject to a minimum order quantity of 260 m² per décor.

QUALITY FEATURES/TECHNICAL DATA

According to EN 438:2005, EUROFORM® MED laminate is classified as an **HGP** laminate (**H**orizontal **G**eneral-purpose **P**ostforming). The HGP classification in accordance with EN 438:2005 lays down the minimum requirements for laminate-quality characteristics (application class) and states that the laminate can be used for horizontal applications with postforming requirements. HGP laminate is typically used on kitchen and office surfaces which need to be highly durable. The following table shows the standard requirements needed for abrasion scratch and impact resistance. A class of 3 indicates high durability. EUROFORM® MED laminate fulfils the requirements.

Property	Unit	Standard requirement EN 438:2005	Class	Test method
Abrasion resistance* Initial abrasion point IP	Revolutions	≥ 150	3	10
Abrasion value (IP+FP)/2		≥ 350		
Impact resistance Impact from a small ball	Newton	≥ 20	3	20
Scratches Scratch resistance	Degrees	3	3	25

* In the case of full-surface printed pearlescent decors, these values may be lower. These are therefore unsuitable for horizontal application.

According to the standard, counters require an **HDP** (Horizontal Heavy-Duty Postforming) laminate with a high degree of resistance (class 4). This special characteristic is **not available ex warehouse** and can only be manufactured to order taking into consideration the minimum order quantities of 260 m² per design.

ADDITIONAL QUALITY FEATURES

Quality feature	Unit	Result **)	Standard
Resistance to dry heat *	Grade	4	EN 438-2:2005
Resistance to water vapour *	Grade	4	EN 438-2:2005
Resistance to staining group 1 and 2	Grade	5	EN 438-2:2005
Resistance to staining group 3	Grade	4	EN 438-2:2005
Lightfastness (Xenon arc lamp)	Grey scale	4 - 5	EN 438-2:2005
Resistance to cigarette burns	Grade	3	EN 438-2:2005

* Values may be lower for full pearlescent décors and therefore these décors are not recommended for horizontal applications.

THICKNESS/FORMAT/TOLERANCES

Nominal laminate thickness [mm]	Format in which supplied		Thickness tolerance [mm]	Length tolerance [mm]	Width tolerance [mm]
	Roll	Sheets			
0.8		•	± 0.10	+10/-0	+10/-0

Minimum length: 800 mm

Maximum length: 5,600 mm

Maximum width: 1,300 mm

Width cross cuts: max. 3 cross cuts, minimum laminate width 200 mm;
Please note: 5 mm waste per cross cut

POSTFORMING PROPERTIES

EUROFORM® MED laminate with a nominal thickness of 0.8 mm can be postformed in the longitudinal direction – smallest radius ≥ 5 mm.

FIRE BEHAVIOUR

EUROFORM® MED laminate meets the requirements of interior fittings regarding fire behaviour. When in contact with fire, EUROFORM® MED laminate does not soften, melt or burn and is non drip-forming. EUROFORM® MED laminates do not contain chlorine or halogens and therefore prevent consequential fire damage such as corrosion to machinery and buildings.

CARE AND CLEANING RECOMMENDATION

Due to their resistant, hygienic and dense surface, EUROFORM® MED laminates do not require any special form of care. Generally, the surfaces are easy to clean. This also applies to textured surfaces.

More detailed information can be found in our "EUROFORM® Laminate Cleaning Instruction Data Sheet."

All details are based on practical experience as well as our own experiments and are in accordance with our current state of knowledge. This data sheet is for information only and does not contain an assurance for product attributes or adequacy for certain applications. Please view our general sales and delivery conditions for further information.

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