

# PRODUCT DATA SHEET

## EGGER FRONT ELEMENTS



EGGER front elements are part of the EGGER Postforming product group. EGGER front elements are composite elements consisting of EUROSPAN® E1 raw chipboards or EGGER MDF boards, with the surface and profiles being seamlessly laminated with decorative EGGER Flex laminate. Different models, core board qualities and laminate thicknesses are produced on customer request.

### Applications / Areas of Use

Due to their functionality, EGGER front elements are used in kitchens, bathrooms and offices, and also for shop fittings and domestic furniture.

### Storage / Processing

#### STORAGE

Horizontal, flat storage in enclosed and dry rooms (approx. 20°C and 55 to 65% relative air humidity) is required in order to prevent climate-induced warping or dimensional changes. Vertical storage is not permissible. To avoid damage during storage, any rack systems installed must be suitable for the purpose and due care must be taken when transferring items from one storage location to another.

#### PROCESSING

EGGER front elements can be processed on normal woodworking machines.

### Quality Characteristics / Technical Data

The essential quality characteristics of laminate bonded boards are defined through the use of laminates complying with EN 438:2005. The laminate is classified as **VGP (Vertical General-purpose Postforming)** because postforming front elements are usually involved. This means that vertical postforming applications are also possible.

For the essential quality characteristics, such as resistance to surface abrasion, impact and scratch resistance, a **medium resistance rating** is required; this is classified as **Class 2**.

Property	Test procedure acc. to EN 438-2	Unit	Value	Class
Resistance to surface abrasion	10	Revolutions (min.)	150	2
Scratch resistance	25	Rating (min.)	2	2
Resistance to impact stress caused by a small ball	20	Newton	≥ 15	2

## FURTHER QUALITY CHARACTERISTICS

Property	Unit	Value	Norm
Resistance to dry heat	Rating (min.)	4	EN 438-2:2005
Resistance to water vapour	Rating (min.)	4	EN 438-2:2005
Resistance to staining groups 1 and 2	Rating	5	EN 438-2:2005
Resistance to staining group 3	Rating (min.)	4	EN 438-2:2005
Light fastness (Xenon arc lamp)	Graumaßstab	4 - 5	EN 438-2:2005
Resistance to cigarette burns	Rating (min.)	3	EN 438-2:2005
Swelling behaviour *	-	24 h max. 15 %	DIN EN 317
		2 h max. 4 %	
Bending strength*	N/mm <sup>2</sup>	> 15.0	DIN EN 310
Internal bond*	N/mm <sup>2</sup>	> 0.35	DIN EN 319
Density *	kg/m <sup>3</sup>	600 - 720	DIN EN 323
Overlay delamination resistance *	N/mm <sup>2</sup>	≥ 1.0	DIN EN 311

\*) The results listed above are mean values for core boards ranging in thicknesses from 13 mm to 20 mm.

## TECHNICAL DATA / TOLERANCES / DIMENSIONS

Core boards:	EUROSPAN® E1 chipboards acc. to EN 312 / EGGER MDF boards E1 acc. to EN 622-5
Core board type:	P2 acc. to EN 312 or EN 622-5 for use in dry, indoor situations
Coating:	EGGER Flex laminates according to 438:2005
Laminate thicknesses:	CPL standard thicknesses 0.5 mm and 0.6 mm
Standard lengths:	4,100 mm and 2,800 mm
Length tolerance:	Standard production articles ± 5 mm
Standard widths:	296 mm, 396 mm, 446 mm, 496 mm and 596 mm
Width tolerance:	≤ 500 mm ± 0.5 mm ≥ 500 mm ± 0.5 mm for each additional 100 mm
Standard thickness [mm]:	19 mm
Thickness tolerances:	± 0.4 mm
Angular accuracy:	2.0 mm per 1,000 mm side length
Straightness of cut:	0.5 mm per 1,000 mm side length
Radius of the rounded core board edge*:	- 0/+ 0.5
Surface bonding:	D3 acc. to DIN EN 204
Postforming bonding:	D2 acc. to DIN EN 204

\*) These tolerances only apply with special profiles.

EGGER front elements are available from current ranges as standard production articles in standard lengths and widths. Custom dimensions, special qualities as well as prefabricated furniture components are produced on an as-ordered basis.

FLATNESS IN FRONT ELEMENTS IN A THICKNESS RANGE FROM 16 mm TO 19 mm

Length / Width	Maximum permissible warping*	
	Concave	Convex
≤ 300 mm	0.5 mm	0.5 mm
≤ 500 mm	0.5 mm	0.8 mm
≤ 600 mm	0.7 mm	0.9 mm
≤ 700 mm	1.0 mm	1.1 mm
≤ 800 mm	1.3 mm	1.3 mm
≤ 900 mm	1.6 mm	1.6 mm
≤ 1,000 mm	2.0 mm	2.0 mm
≤ 1,300 mm	3.3 mm	3.3 mm
≤ 1,500 mm	4.6 mm	4.6 mm
≤ 2,000 mm	6.4 mm	6.4 mm

\*) relative to the visible side of the composite element

Terms / Notes / Possible models

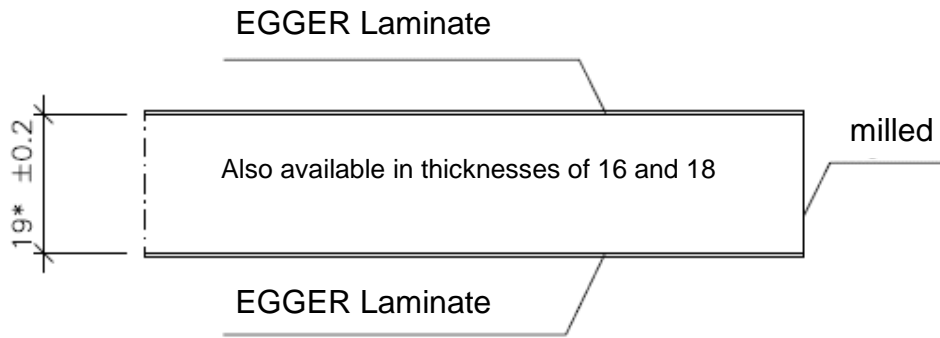
TERMS/ NOTES

EGGER laminate                   => Decorative laminate (CPL Continuous Pressed Laminates) based on curable resins  
 Note                                   => Radii and board thickness shown in the sketches refer to the core board.

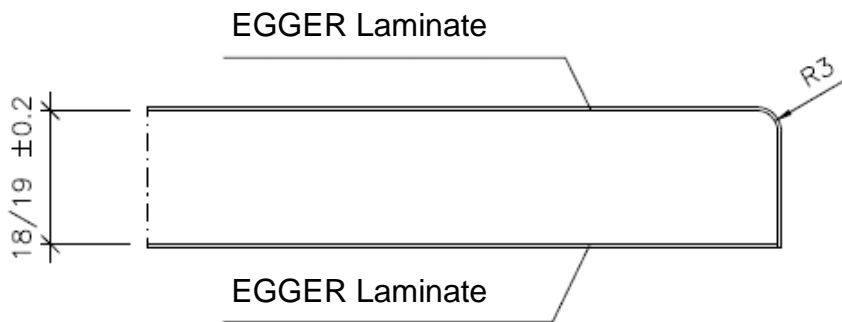
POSSIBLE MODELS

Model No.	Width from / to [mm]	Core board thickness [mm]
90	120 – 1,290	16, 18 and 19
200/3	120 – 1,260	18 and 19
200/4	120 – 1,260	16 and 18
200/6	120 – 1,260	16, 18 and 22
200/8	120 – 1,260	18
201/6	130 – 1,220	18
201/10	130 – 1,220	18
206/10	130 – 1,220	18
300/4	130 – 1,200	18
300/6	130 – 1,200	18 and 22
300/8	130 – 1,200	18
300/10	130 – 1,200	22

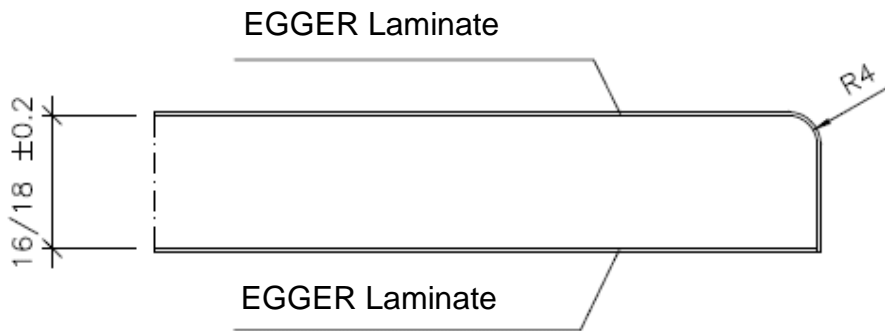
MODEL 90:



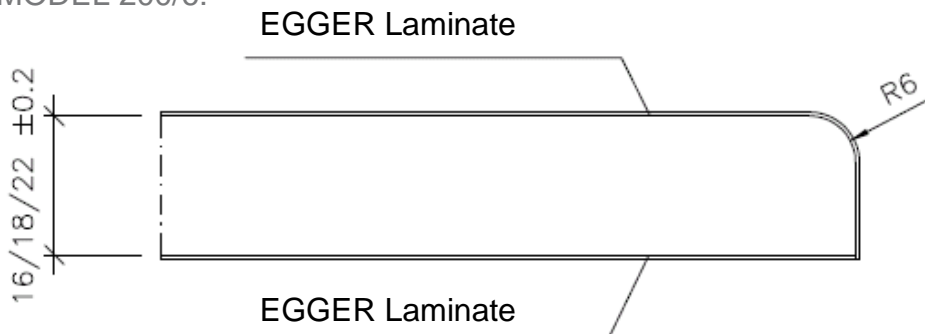
MODEL 200/3:



MODEL 200/4:

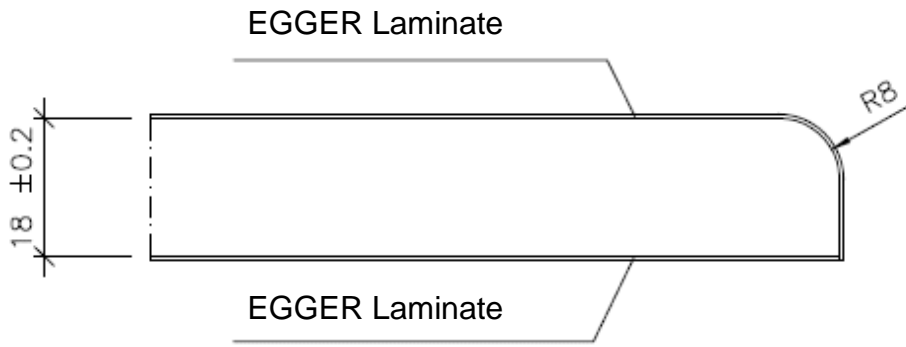


MODEL 200/6:

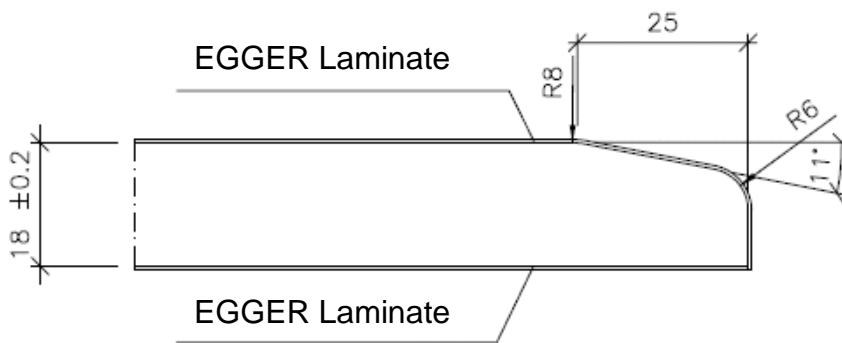


MORE FROM WOOD.

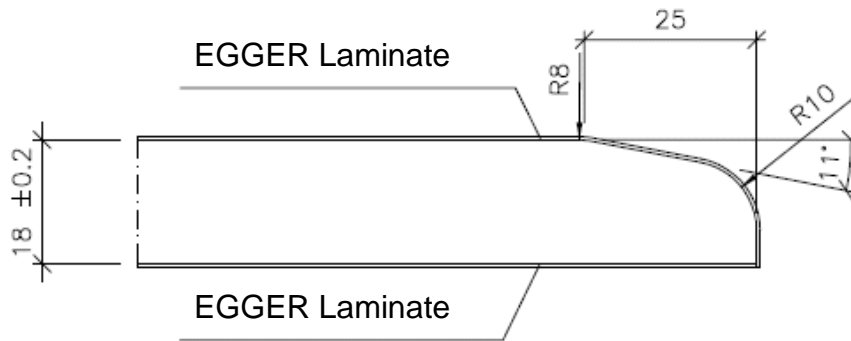
MODEL 200/8:



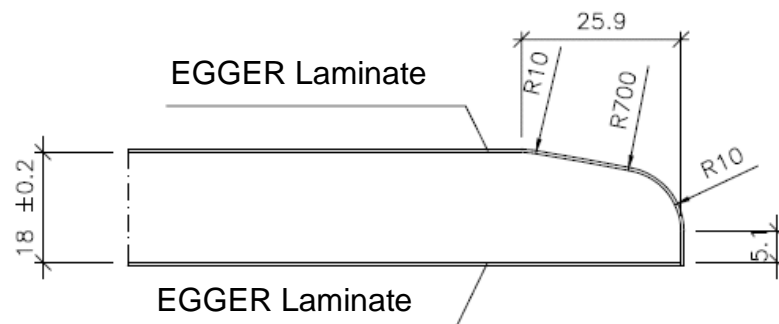
MODEL 201/6:



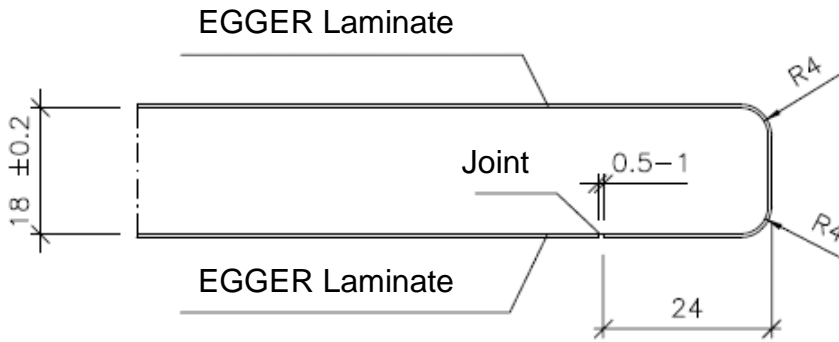
MODEL 201/10:



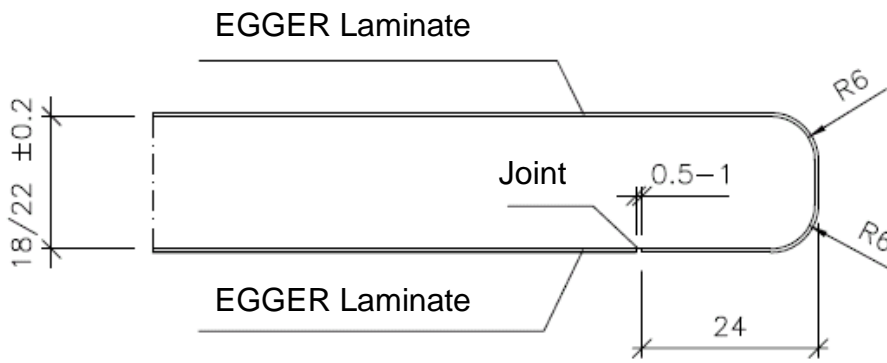
MODEL 206/10:



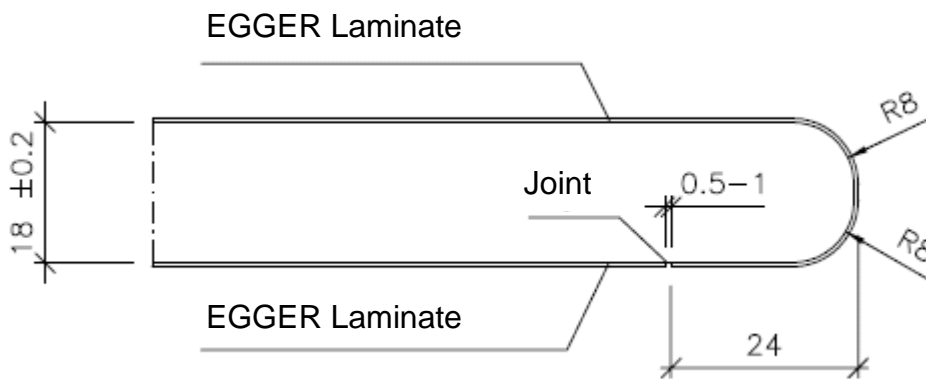
MODEL 300/4 – MODEL WITH A JOINT:



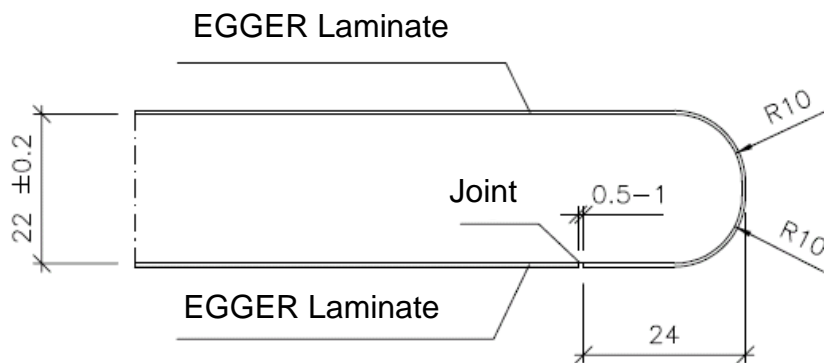
MODEL 300/6 – MODEL WITH A JOINT:



MODEL 300/8 – MODEL WITH A JOINT:



MODEL 300/10 – MODEL WITH A JOINT:



## Maintenance and cleaning recommendations

Thanks to their resistant and hygienic, dense surfaces, EGGER front elements do not require any particular maintenance. In general the surfaces are easy to clean. This also applies to textured surfaces.

Further details can be found in the leaflet entitled "EGGER laminates – recommended approaches to cleaning and usage" and the "EGGER laminates with an ST9 Perfect Matt surface structure" leaflet.

The information provided in this data sheet is based on practical experience and in-house tests, and reflects our current level of knowledge. It is provided for information purposes only and does not guarantee any product properties or suitability for a particular application. Our general terms and conditions apply.