

TECHNICAL DATA SHEET

EGGER WORKTOPS



EGGER worktops are composite elements consisting of Eurospan E1 raw boards, bonded with decorative EGGER laminate. Different profiles, substrate qualities and laminate thicknesses are available upon request.

Uses / Areas of application

Due to their functionality, EGGER worktops can be used in kitchens, bathrooms and offices, but also for shopfitting solutions and domestic furniture.

Storage / Processing

STORAGE

Horizontal, flat storage in enclosed and dry areas (approx. 20°C and 55 to 65% relative humidity) to exclude warping or dimensional changes due to climatic conditions. Vertical storage is not recommended. To avoid damage during storage, appropriate racking systems should be used. Worktops should be handled and transported with due care.

PROCESSING

EGGER worktops can be processed with conventional woodworking machines.

For more detailed information, please refer to the data sheet "EGGER worktops processing instructions".

Quality Characteristics / Technical data

The essential quality characteristics of laminate faced composite boards, or rather worktops, are dictated by the application of laminate conforming to the standard EN 438:2005. For standard postformed worktops, the laminate is classified as **HGP** (Horizontal-General-purpose Postforming). That means that it is suitable for horizontal applications with postforming requirements. The essential quality characteristics such as surface abrasion, impact resistance and scratch resistance, require a high performance which is classified by the index number 3.

Property	Test method according to EN 438-2	Unit	Result	Index number
Resistance to surface wear	10	revolutions	≥ 350	3
Resistance to scratching	25	rating	3	3
Resistance to impact – small ball	20	Newton	≥ 20	3

Further quality characteristics

Property	Unit	Result	Norm
Resistance to dry heat	rating	4	EN 438-2:2005
Resistance to water vapour	rating	4	EN 438-2:2005
Resistance to staining groups 1 and 2	rating	5	EN 438-2:2005
Resistance to staining group 3	rating	4	EN 438-2:2005
Light fastness (Xenon arg)	grey scale rating	4 - 5	EN 438-2:2005
Substrate type	Eurospan E1	Eurospan E1, P3	
Bending strength ›25 – 32 mm ›32 – 40 mm	≥ 8.5 N/mm ² ≥ 7.0 N/mm ²	≥ 11.0 N/mm ² ≥ 9.0 N/mm ²	EN 310
Internal bond strength ›25 – 32 mm ›32 – 40 mm	≥ 0.17 N/mm ² ≥ 0.14 N/mm ²	≥ 0.35 N/mm ² ≥ 0.30 N/mm ²	EN 319
Swelling behaviour 24 h ›25 – 32 mm ›32 – 40 mm	Nicht genormt Nicht genormt	≤ 13 % ≤ 12 %	EN 317
Surface soundness *1	≥ 0.8 N/mm ²	≥ 0.8 N/mm ²	EN 311

*1 The result indicated is a mean value.

Technical data / Tolerances / Dimensions

- Substrate Eurospan raw boards E1 according to EN 312
- Substrate type see table „Further quality characteristics”
- Lamination EGGER Laminate according to EN 438:2005
- Laminate thicknesses CPL standard thickness 0.6 mm
- Standard lengths 5,600 mm, 5,200 mm, 4,100 mm, 3,660 mm and 3,050 mm
- Length tolerance worktop blanks -5/+10 mm
- Standard widths see table Profile Model Options
- Width tolerance
≤ 500 mm ± 0.5 mm.
≥ 500 mm for each additional 100 mm plus ± 0.5 mm.
- Standard thicknesses 28 mm and 38 mm
- Thickness tolerance ± 0.4 mm.
- Angular accuracy 2.0 mm per 1,000 mm in length per side
- Straightness of cut 0.5 mm per 1,000 mm in length per side
- Radius of rounded profiled edge*2 - 0/+ 0.5 mm
- Surface bonding D3 according to EN 204
- Postforming bonding D2 according to EN 204
- Back long edge edging with EGGER logo or alternatively sealed

*2 These tolerances only apply to special profiles.

EGGER worktops are available in blanks in standard lengths and widths. Individual dimensions, special qualities as well as bespoke furniture components can be produced to order and are available on request.

Flatness of worktops in a thickness spectrum of 25 mm to 38 mm

Length or width of the worktop	Maximum deviation* ³ (concave / convex)	Norm
up to 600 mm	0.9 mm	EN 13894-1, clause 7 (For worktops of dimensions greater than 1,000 mm, measurements shall be made using a bow gauge of 1,000 mm length.)
601 mm to 700 mm	1.1 mm	
701 mm to 800 mm	1.3 mm	
801 mm to 900 mm	1.6 mm	
901 mm to 1,000 mm	2.0 mm	
1,001 mm to 5,600 mm	2.0 mm/metre	

*³ Referring to the front side of the worktop. Numerous factors, including changes in temperature and relative humidity such as are encountered on building sites, may cause boards and panels to bow and twist irreversibly. This requirement is therefore only applicable at the time of delivery.

For further information please refer to the data sheet „Flatness EGGER laminate bonded composite boards“.

Terms / Reference note / Profile model options

TERMS / REFERENCE NOTE

EGGER Laminate	=> decorative laminate (CPL continuously pressed laminates) based on curable resins
GZP	=> balancer paper (Gegenzugpapier)
UV-lacquer seal	=> Lacquered seal applied on the worktop reverse to protect the area underneath the profiled long edge
PUR-hot-melt adhesive	=> Polyurethane hot-melt adhesive seal to protect against moisture ingress (butt joint of CPL with GZP)
ABS-Edging	=> Thermoplastic and colour matched ABS Edging (Acrylonitrile Butadiene Styrene)
Accent edging	=> Thermoplastic Accent or Contrast edging based on PMMA, PP and PET
Reference Note	=> All radii details and board thicknesses shown on the sketches are measured on the substrate

PROFILE MODEL OPTIONS

Profile Model No.	Standard dimensions [mm]		
	Single sided	Double sided	Substrate thickness
100	600, 900 and 1,200	600, 900 and 1,200	28 and 38
100/1.5	600 and 1,200	920	38
200/4	600	-	38
200/6	600	-	28
300/3	600; 650; 900 and 1,200	640; 670 and 920	38
300/6	600 and 650	800; 1,175	28
301/6	600, 650, 900 and 1,200	900 and 1,170	38
301/8	600	-	38

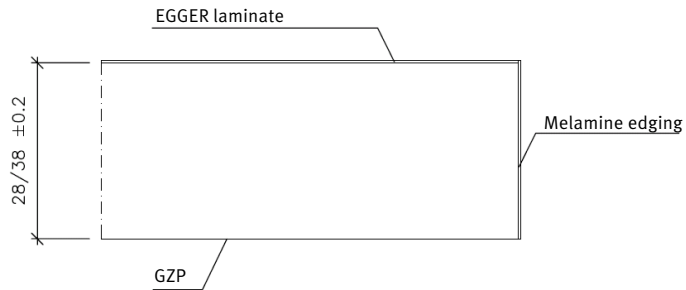
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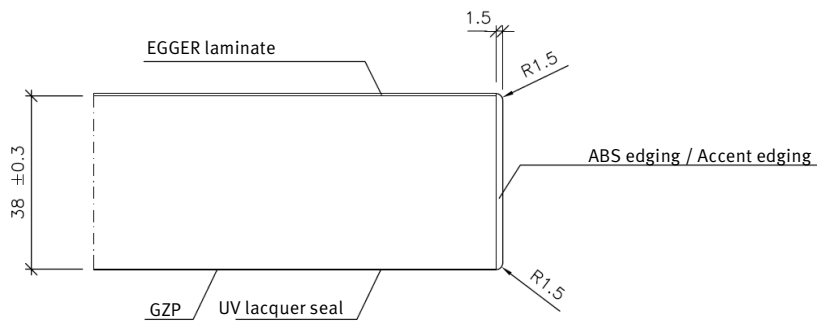


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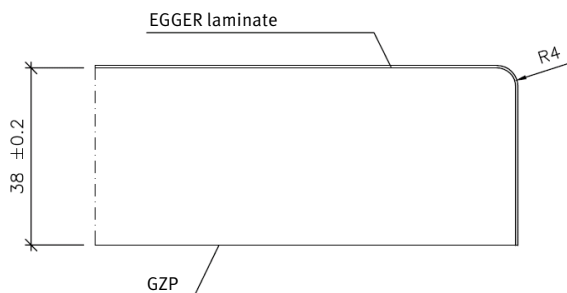
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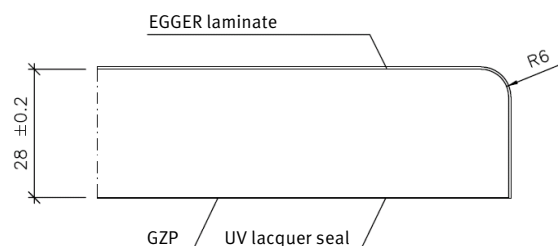
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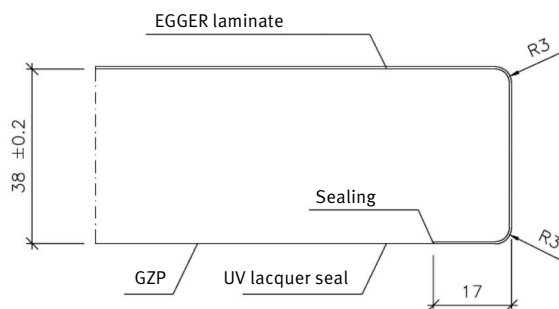
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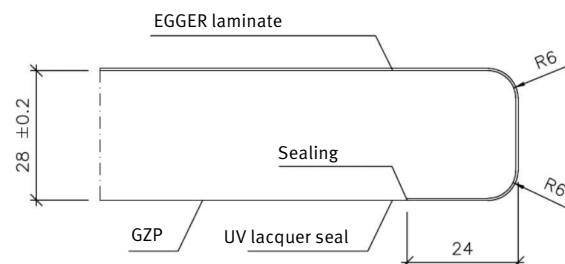
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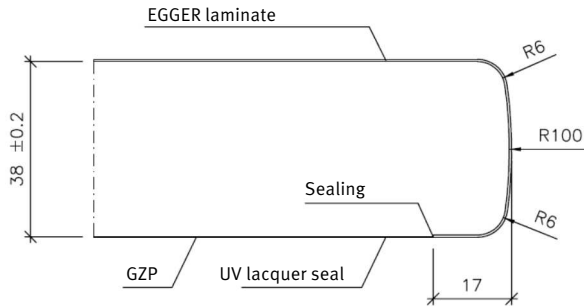
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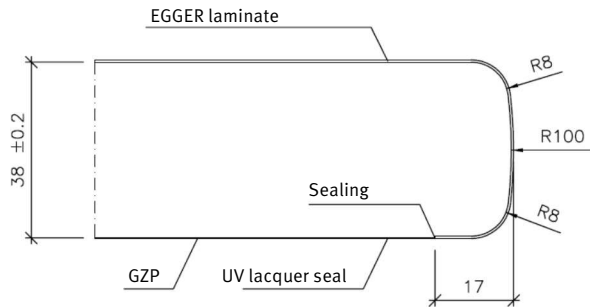
MODEL 300/6



MODEL 301/6



MODEL 301/8



Care and cleaning recommendations

Due to their resistant and hygienic dense surface, EGGER worktops do not require any special kind of care. The surfaces are generally easy to clean. As a general rule, dirt and spilled substances such as tea, coffee, wine etc. should be cleaned immediately as the cleaning effort increases if they are left to dry. When necessary, cleaning should be done with non-aggressive agents. In particular Cleaning agents must not contain any abrasive components, as they may adversely affect the gloss level or scratch the surface. Due to everything from light and fresh to severe and stubborn stains being possible in daily use, which are caused by the most varied substances, correct cleaning is important.

The following instructions should be observed in daily use:



Placing burning cigarettes on the laminate surface leads to surface damage. Always use an ashtray.



Laminate surfaces should not be used as a cutting surface as this can also leave cutting marks on highly resistant laminate surfaces. Always use a chopping board.



Placing hot cooking utensils such as saucepans and frying pans directly from the hob or oven onto the laminate surface should be avoided as, depending on the heat exposure, a change in the gloss appearance or damage to the surface can arise. Always use heat resistant mats.



Spilled liquids should always be cleaned up immediately, especially in the areas around cut-outs and joints as prolonged exposure to some substances may cause a change in the gloss appearance of the laminate surface.

These recommendations apply especially to matt and gloss laminate surfaces. These have a distinctive look and feel but have a greater tendency to show wear and tear.

For further information please refer to the following data sheets:

- Care and cleaning recommendations EGGER laminates
- EGGER laminates with ST9 perfect matt surface structure
- EGGER products with surface texture ST30 Gloss finish

This technical data sheet has been carefully drawn up to the best of our knowledge. The information provided is based on practical experience and in-house tests 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 their 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 worktops, as well as from changes to standards and public law documents. This technical data sheet is not an instruction for use and not a legally binding document. Our General Terms and Conditions apply.