Quality Management ISO 9001

Technical datasheet

EGGER Laminate

Description

EGGER Laminate is a decorative laminate based on curable resins. The laminate is constructed by fusing multiple layers and consists of melamine resin impregnated decor paper and several phenolic resin impregnated core layers.

Laminate grade: **HGP** – **H**orizontal **G**eneral-purpose **P**ostforming
Nominal thickness: 0.031 Inch (0.80 mm)

Availability

Laminate is part of the EGGER Decorative Collection. Selected decors are available ex stock and from just one sheet upwards, according to the country-specific availability guides.

Technical data

Property	Test standard	Unit or feature	Value
Thickness	ISO 4586-2	Inch (mm)	± 0.004 (0.10)
Length and width [a]	ISO 4586-2	Inch (mm)	+0.39/-0 (+10/-0)
Flatness [b]	ISO 4586-2	Inch per inch (mm/m) (max.)	0.06 (60)
Resistance to surface wear	ISO 4586-2	revolutions (min.) initial point wear value	150 350
Resistance to impact by small diameter ball	ISO 4586-2	N (min)	≥ 20
Resistance to scratching	ISO 4586-2	Rating (min) smooth finishes textured finishes	2 3
Resistance to water vapour	ISO 4586-2	Rating (min.) gloss finish other finishes	3 4
Resistance to wet heat	ISO 4586-2	Rating (min.) gloss finish other finishes	3 4
Resistance to dry heat 320 °F (160 °C)	ISO 4586-2	Rating (min.) gloss finish other finishes	3 4

Property	Test standard	Unit or feature	Value
Dimensional stability at elevated temperature	ISO 4586-2 (Method A)	% max. L^a T^b	0.55 1.05
Resistance to staining	ISO 4586-2 (Method A)	Rating (min.) Groups 1 and 2 Group 3	5 4
Formability (smallest radius)	ISO 4586-2 (Method A)	mm L^a T^b	10 x laminate nominal thickness 20 x laminate nominal thickness
Lightfastness [Xenon arc lamp]	ISO 4586-2 (Method A)	Grey scale rating	4

[a] Tolerances for cut-to-size panels shall be agreed between supplier and purchaser.
[b] Provided that the laminate is stored in the manner and conditions recommended by EGGER.
L^a = in the longitudinal direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).
T^b = in the cross-longitudinal direction of the fibrous sheet material (at right angles to direction L).

Added Benefit

EGGER Laminate in the nominal thickness 0.031 Inch (0.80 mm) is **MED** (**M**arine **E**quipment **D**irective) certified. The MED quality, which is confirmed by Lloyd's certificates, enables the use of laminates in shipbuilding.

Additional documents / Product information

You will find further information in the following documents:

▪ Processing Instructions "EGGER Laminates"

▪ Technical leaflet "EGGER Laminate with Pearlescent Decor"

▪ Technical leaflet "EGGER Laminate with Protective Film"

▪ Technical leaflet "EGGER Laminate with Highgloss surface – HG"

▪ Technical leaflet "Chemical Resistance EGGER Laminate"

▪ Technical leaflet "EGGER Laminate Cleaning and Use Instructions"