

PRODUCT DATA SHEET

EGGER COMPACT LAMINATE FLAMMEX EUROCLASS B



Material

In accordance with DIN EN 438-4:2005, EGGER Compact Laminates Flammex Euroclass B are high pressure laminates with a black core. The compact laminates are constructed by fusing multiple layers and consist of melamine resin impregnated decor papers and several phenolic resin impregnated core layers.

Fire behaviour

In the event of fire, EGGER Compact Laminate Flammex Euroclass B meets the specific requirements of DIN EN 13501-1. In accordance with DIN EN 13501-1:2007 the reaction to fire classification of EGGER Compact Laminate Flammex Euroclass B is: **B**

The additional classification in relation to smoke production is: **s2**

The additional classification in relation to flaming droplets is: **d0**

The fire behaviour classification format of the building product is:

Fire behaviour	Smoke production		Flaming droplets	
B	S	2	d	0

viz.

B – s2, d0

Quality characteristics / Technical data

In accordance with DIN EN 438-4:2005, EGGER Compact Laminates Flammex Euroclass B are classified as Type CGF (Compact General-purpose Flame-retardant).

Properties	Standard	Unit	Result
Density	EN ISO 1183-1	g/cm ³	approx. 1.4
Resistance to surface wear	EN 438-2: 10	Index No	3
Resistance to impact by large diameter ball	EN 438-2: 21	Drop height mm 2 mm ≤ t < 6 mm 6 mm ≤ t	1,400 1,800
Resistance to scratching	EN 438-2: 25	Rating	3
Resistance to dry heat *	EN 438-2: 16	Rating	4
Resistance to wet heat (100 °C)	EN 12721:1997	Rating	4
Resistance to immersion in boiling water	EN 438-2: 12	increase in mass % 2 mm ≤ t < 5 mm t ≥ 5 mm increase in thickness % 2 mm ≤ t < 5 mm t ≥ 5 mm appearance rating	5.0 2.0 6.0 2.0 4
Dimensional stability at elevated temperature	EN 438-2: 17	Cumulative dimensional change % 2 mm ≤ t < 5 mm L ^b T ^c t ≥ 5 mm L ^b T ^c	0.40 0.80 0.30 0.60
Resistance to staining group 1 and 2 Resistance to staining group 3	EN 438-2: 26	Rating	5 4
Lightfastness (Xenon-arc lamp)	EN 438-2: 27	Grey scale	4 to 5
Resistance to water vapour*	EN 438-2: 14	Rating	4
Resistance to cigarette burns	EN 438-2: 30	Rating	3
Resistance to crazing	EN 438-2: 24	Rating	4
Modulus of elasticity	EN ISO 178	MPa	9,000
Bending strenght	EN ISO 178	MPa	80
Tensile strenght	EN IOS 527	MPa	60
Flatness	EN 438-2: 9	Dependent upon thickness mm/m 2.0 mm ≤ t < 6,0 mm 6.0 mm ≤ t < 10,0 mm 10.0 mm ≤ t	8 5 3

*] Values may be lower for full pearlescent print decors.

Dimensions / Tolerances

DIMENSIONS

Thickness spectrum: 5, 6, 8, 10, 12 und 13 mm
 Maximum length: 5.610 mm
 Maximum width: 2.070 mm

TOLERANCES

Nominal Thickness [mm]	Thickness Tolerance [mm]	Length Tolerance [mm]	Width Tolerance [mm]
5	± 0,30	+10/-0	+10/-0
6	± 0,40	+10/-0	+10/-0
8 und 10	± 0,50	+10/-0	+10/-0
12 und 13	± 0,60	+10/-0	+10/-0

Care and cleaning recommendations

Due to their resistant and hygienic, homogenous surfaces, EGGER Compact Laminates Flammex Euroclass B do not require any special form of care. This also applies to textured surface. More detailed information can be found in our leaflet "EGGER Laminate Cleaning and Maintenance Instructions".

The information contained within this data sheet is based on practical experience as well as in-house tests and reflects our current state 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. Unless otherwise stated, our General Terms and Conditions apply.