Technical Data Sheet

Protecflam Industries
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Fibroflam® CP Combi

Combi eucalyptus / poplar plywood panel – Euroclass B-s1,d0

Description

Euroclass B (M1) fire-retardant combi eucalyptus / poplar plywood with red faces, generally intended for interior fitting, joinery, and furniture manufacturing.

Advantages

Very good value for money.
Its scarf-jointed veneers and density provide good mechanical stability. Ideal for machining and cutting.
Its uniform faces give a nice look.

Reaction to fire classification

Euroclass B-s1,d0 classification according to EN 13501-1: 2007 + A1: 2009.
For further information, please contact Protecflam Industries.

Product characteristics

General information

The base plywood is made of cross-laminated eucalyptus veneers, with a penultimate BB/BB poplar veneer (grade III repaired: EN 635-2), faced with a red wood vener.
Density: 610 kg/m³ (+/- 10%).

Face: Exotic wood, grade B, according to EN 635-2
Back: Exotic wood, grade BB, according to EN 635-2
Face/back veneer thickness: ≥ 0.17 mm (finished)
Structural use: No
Service class: Humid environment “Protected Exterior” – Class 2 (EN 636-2)
Moisture content (EN 322): 12% +/- 2%
Panels manufactured from legally harvested timber in accordance with European regulations.

Bonding class

Melamine urea formaldehyde (MUF) bonding, Class 3, according to EN 314-2.

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Dimensions (fixed size 2.50 × 1.22 m)

Thickness	Number of plies	Packaging (pcs / pack)
10 mm	7	90
15 mm	11	60
18 mm	13	50

Dimensional tolerances

Thickness (EN324)	Minimal thickness	Maximum thickness
10 mm	9,30 mm	10,50 mm
15 mm	14,15 mm	15,65 mm
18 mm	17,06 mm	18,74 mm

Width (EN 315): +/- 3,5 mm
Length (EN 315): +/- 3,5 mm
Squareness (EN 315): 1 mm/m
Edge straightness (EN 315): 1 mm/m

Mechanical strength according to EN 310

Thickness	Modulus of elasticity (N/mm^2)	Bending strength (N/mm^2)
10 mm	10970	47
15 mm	7582	34
18 mm	8211	45

According to EN 13986 +A1

Reaction to fire classification for thicknesses ≥ 9 mm: B-s1, d0
Thermal conductivity: 0.12 W/(m·K)
Sound absorption coefficient from 250 to 500 Hz: 0.1
Sound absorption coefficient from 1000 to 2000 Hz: 0.3
Water vapour resistance factor – wet cup method: 80
Water vapour resistance factor – dry cup method: 210

Health and safety commitment

CE marking (EN 13986 +A1): Yes – CE 4
Formaldehyde emission (EN 717-2): E1
VOC emission: B

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