

**Fireshield**

Substrates Collection

Fireshield is a fire-rated plywood panel engineered for exceptional resistance to flame spread, smoke, and carbonisation.

Ideal for stairwells, lift lobbies, corridors, auditoriums and other enclosed or high-traffic areas where a fire retardant board is required under standards set by the Fire Safety & Shelter Department (FSSD) in the Singapore Civil Defence Force (SCDF).

Certified Class B (EN 13501-1) by TÜV SÜD PSB Singapore, meeting SCDF fire safety standards.

Thickness

9 / 10 / 12 / 15 / 18 / 22 / 25 / 30 (mm)

Dimensions

1220 × 2440 mm

* Ex-Stock Underlined

Characteristics

**E1 Low Formaldehyde**

Safe for all living and interior applications, especially enclosed spaces.

**Class B Fire Retardant**

Meets Class B requirements under standards set by the Fire Safety & Shelter Department in the Singapore Civil Defence Force (SCDF).

**Sustainable**

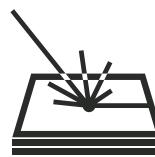
Wood from fast-growing European plantations, which are PEFC and FSC certified.

**Lightweight**

Easy to cut and transport.

**Dimensionally Stable**

Maintains its original dimensions when subjected to changes in temperature and humidity.

**Easy to Machine**

Suitable for routing complex patterns or shapes.

Available
Certificates
CARB
PHASE 2

CE
CE

**ASTM E-84
CLASS A**
Technical
Specifications

Properties	Standard	Unit	Result
Density	EN 323	kg/m ³	460 - 520
Modulus of Elasticity (MOE)	EN 310	N/mm ²	3.400 - 4.700
Face Screw Holding	EN 320	kgf	135
Moisture Content	EN 322	%	6 - 14

Fireshield
Application Areas

Furniture and Woodworking	
Lamination of Surface Elements (Melamine, Laminates and Foils)	•
Spray Painting	
Easy processing with woodworking tools	•
Excellent grip of fasteners (Screws, nails and staples)	•
Decorative Surface	•
Attractive Edges	•
Homogeneous Appearance Throughout	

Building and Structural Applications	
High Moisture and Humidity Resistance	H3
Increased Fire Safety Regulations	Class 0
Termite Resistance	
Climate Sensitive Applications (Ultra Low VOC)	
Horizontal Load-bearing Applications	•
Non Load-bearing Walls, Partitions and Ceilings	•
Formwork	

• Recommended

Fireshield
Application Areas

Other Technical and Industrial Applications	
Door production with increased fire safety regulations	Class 0
Suitable for use in marine vessels	
Temporary Outdoor Exhibitions	•
Packaging Industry	
Signage and Billboards	•
Warehouse Management (Racking)	•

• Recommended