



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  
Dimensions

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



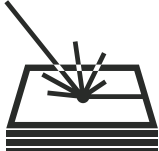
Lightweight

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



Technical  
Specifications

Properties	Standard	Unit	Result
Density	EN 323	kg/m <sup>3</sup>	460 - 520
Modulus of Elasticity (MOE)	EN 310	N/mm <sup>2</sup>	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 Stuctural 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