



Rtree

Fire Retardant Board

Class 1 Protection,
Defying Fire
Defining Safety

- 🔥 A new class of wood-based panel product.
- 🔥 Prevent your property from catch fire and further spread.
- 🔥 Giving you enough time to douse any flames that may be there.

ARCHIDEX®
STAR
AWARD
WINNER'23



UK
warringtonfire



Rtree Fire Retardant Board is a high-performance material designed to resist ignition and to slow down the fire spread. Ideal for use in construction, public buildings and industrial settings. Fire Retardant Boards provide an added layer of safety, ensuring that spaces remain protected in case of emergencies.



Rtree Fire Retardant Board Has All The Features
You Are Looking For ...

- ✔ CLASS 1 FIRE RETARDANT
(HIGHEST LEVEL OF FIRE RESISTANT CLASSIFICATION)
- ✔ FIRE DURABILITY 30 MINUTES
- ✔ HDF DENSITY > 800 KG/M³
- ✔ TESTED BY LOCAL & INTERNATIONAL BODY
- ✔ FLAME SPREAD RATING BETWEEN 0 AND 25





Application For Rtree Fire Retardant Board

✔ KITCHENS

✔ THEATERS

✔ EXHIBITION HALLS

✔ RESIDENCES

✔ OFFICES

✔ PLACES OF WORSHIP

✔ HOSPITALS

✔ SCHOOL

✔ CONCERT

✔ HOTELS

✔ AIRPORTS

✔ CINEMA

Any Other Places That Are Exposed To Fire



What Is **CLASS 1** Fire Retardant?

Fire retardant Class 1 are also known as Class A refers to the highest level of fire resistance classification given to materials or products. It signifies that the material or product has undergone testing and meets specific fire safety standards. The flame-spread rating test score is 0 to 25.

Fire retardant Class 1 material or product has a high level of resistance against catching fire and spreading flames. It is designed to slow down or prevent the ignition and combustion of the material, reducing the risk of fire hazards.



What Is Fire Durability ?

Fire durability is how long a product can resist destruction by fire. Rtree Fire Retardant Board has tested and achieved 30 minutes fire durability 18mm board.





Rtree Fire Retardant Board is made of **EUCALYPTUS WOOD**

Eucalyptus wood have the following properties
which bring many benefits to your usage

HARDWOOD

- Strong lumber with tight straight grain
- Less porous structure
- Highly dense, with tight pores in its stucture
- Exceptional durability

INHERENTLY HIGH IN PROTECTIVE OIL

Good repellent to water & moisture 
Does not rot/ decay easily 

Does not create the conditions supporting the growth of fungus 

EXCELLENT RESILIENCE AGAINST DAMAGING PEST SUCH AS TERMITES

- No need to use hazardous chemical to
avoid termite attack.

SUSTAINABLE & ECO-FRIENDLY DUE TO SOURCE FROM PLANTATION



It is impossible to have termite proof for any timber related materials. When considering termite resistant, there are certain timber material which are more termite resistant than others. Rtree Fire Retardant Board uses eucalyptus wood as a better choice of resistant. Not only on termites but moisture and mould repellent too.

COMPANY PROFILE



Rtree is a brand by My Raintree Sdn Bhd

Established in 2016, My Raintree Sdn Bhd has been on a mission to identify market needs and continuously improve and upgrade products according to market requirements. We are on a mission to provide proven, high quality eco-friendly product. Our Rtree Fire Retardant Board are certified by SIRIM and acknowledged by Architects. Our products are manufactured using state-of-the art technology and sustainable materials, making us reliable partner for construction and renovation projects across the country.

At My Raintree Sdn Bhd, we believe in our commitment to quality, which is reflected in our rigorous quality control practice. Our products are tested from time to time to meet the standards we promise to our customers.



★ State-Of-The-Art Manufacturing Plants ★

★ German Technology ★

★ Annual Capacity > 600,000 CBM ★

★ 100% Renewable Agro-Forestry Eucalyptus Wood ★





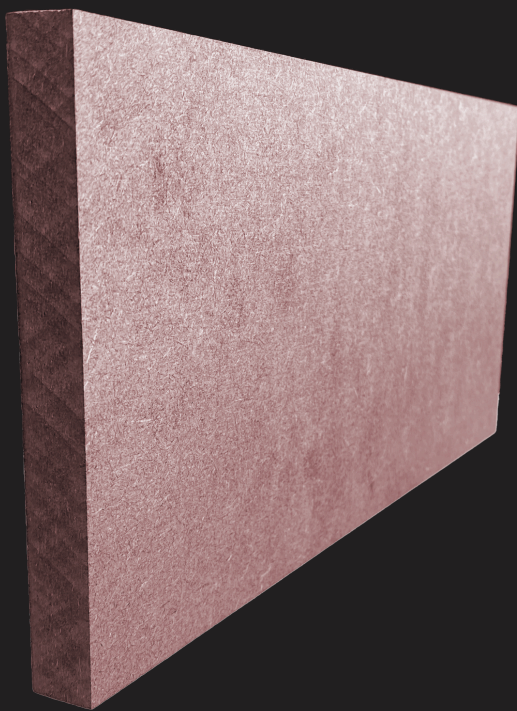
AWARDS



CERTIFICATION

Rtree FIRE RETARDANT BOARD GRADE SPECIFICATION

Sl. No.	PROPERTIES	TEST METHOD	UNIT	BOARD THICKNESS
1.0	Thickness	EN 324-1	mm	18.0
2.0	Thickness tolerance	EN 324-1	mm	±0.2 mm
3.0	Length and width tolerance	EN 324-1	mm/m	±2 mm/m
4.0	Squareness	EN 324-1	mm/m	2 mm
5.0	Edge straightness	EN 324-1	mm/m	1.5 mm
6.0	Density	EN 323	Kg/m ³	800 - 900
7.0	Moisture content	EN 322	%	4 - 11
8.0	Thickness swelling 24hr	EN 317	%	8.0
9.0	Modulus of Rupture	EN 310	N/mm ²	24 - 30
10.0	Modulus of Elasticity	EN 310	N/mm ²	2400 - 2700
11.0	Screw Withdrawal Face	EN 320	N	1050
12.0	Screw Withdrawal Edge (≥ 15 mm)	EN 320	N	850
13.0	Classification Of Spread Of Flame	BS 476 : Part 7	-	Reaction to fire classification : Class 1
14.0	Fire Durability	BS 476 : Part 22 : 1987	Minutes	30 Minutes



Rtree Fire Retardant Board

THICKNESS :
18 mm

SIZES :
1220mm x 2440mm

URL

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