



RTREE **FR** HDMR

FIRE RETARDANT CLASS 1

HIGH DENSITY MOISTURE RESISTANCE BOARD

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



UK
warringtonfire



COMPANY PROFILE



My Raintree Sdn Bhd is a Malaysian based company that supply high density moisture resistant board. We are proud to be the pioneer of RTREE HDMR in Malaysia, setting us apart from our competitors in the local market.

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 HDMR 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.

WHAT IS RTREE FR HDMR?



RTREE FR HDMR HAS ALL THE FEATURES YOU ARE LOOKING FOR...

- ✓ CLASS 1 FIRE RETARDANT
- ✓ V313 STANDARD
- ✓ HDF DENSITY > 800 KG/M³
- ✓ TESTED BY LOCAL & INTERNATIONAL BODY





APPLICATION FOR RTREE FR HDMR BOARD

✔ KITCHENS

✔ THEATERS

✔ EXHIBITION HALLS

✔ RESIDENCES

✔ OFFICES

✔ PLACES OF WORSHIP

✔ HOSPITALS

✔ SCHOOL

✔ HOTELS

✔ AIRPORTS

Any Other Places That Are Exposed To Fire And High Moisture



WHAT IS **CLASS 1** FIRE RETARDANT?

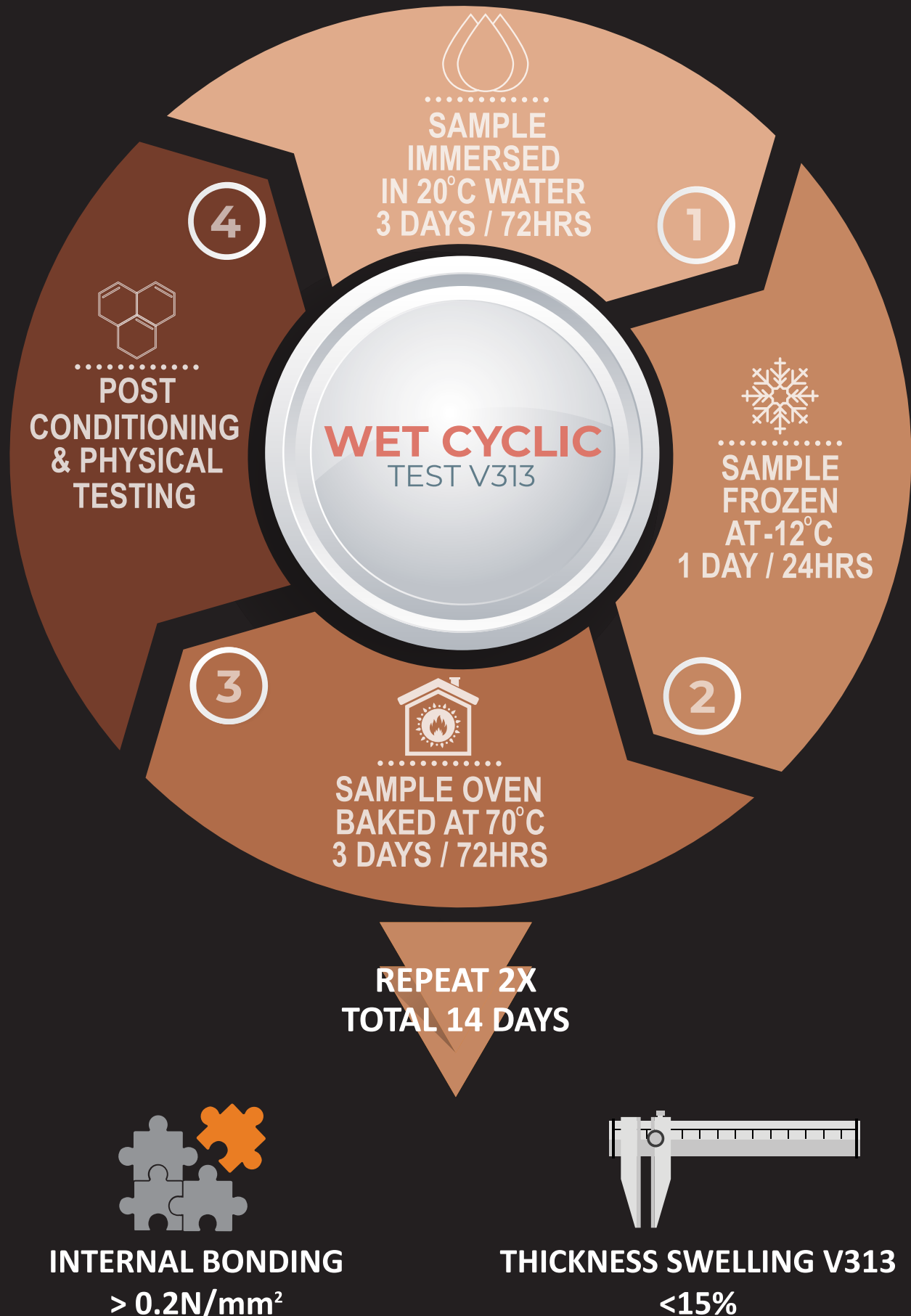


Fire retardant Class 1 are also known as Class A refers to the highest level of fire resistance classification given to materials or products. It signifies that the material or product has undergone testing and meets specific fire safety standards. The flame-spread rating test score is 0 to 25.

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 V313 MOISTURE RESISTANT

Best Moisture Resistant Standard
BS EN 321:2002



RTREE HDMR COMPLIES E1 FORMALDEHYDE STANDARD

WHAT IS FORMALDEHYDE?

Formaldehyde is a chemical used in some building materials and household products like flooring, furniture, doors and fabric. It is a colourless, flammable gas at room temperature with strong irritating odour. High levels of exposure may cause cancer.



WHY CHOOSE MATERIALS THAT ARE COMPLIANT WITH E1 FORMALDEHYDE EMISSION STANDARD?

The issue of formaldehyde emission from composite wood products has been a concern since the gas was deemed carcinogenic in 2004. High exposure may trigger attacks in people with asthma. Some people can also develop a sensitivity to formaldehyde. It has also shown to cause cancer.

RTREE has the solution for you. RTREE HDMR is Grade E1 which complies with healthy and safe formaldehyde emission standard. Giving you 100% peace of mind!

Why RTREE HDMR Is Your Best Choice Compared To Other HMR Or HDF

RTREE HDMR 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 structure
- 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 HDMR uses eucalyptus wood as a better choice of resistant. Not only on termites but moisture and mould repellent too.





★ State-Of-The-Art Manufacturing Plants ★

★ German Technology ★

★ Annual Capacity > 600,000 CBM ★

★ 100% Renewable Agro-Forestry Eucalyptus Wood ★





CERTIFICATION

UK
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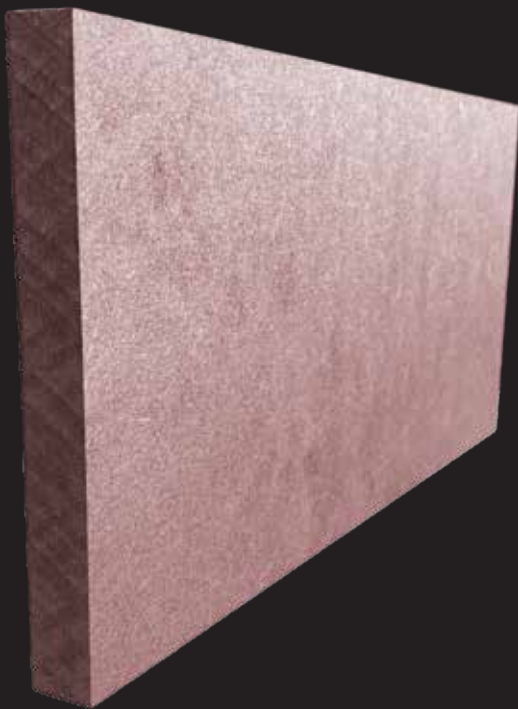


MEMBERS OF



RTREE FR HDMR 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	Internal Bond dry	EN 319	N/mm ²	0.75
12.0	Internal Bond after AWR	EN 319	N/mm ²	0.12
13.0	Screw Withdrawal Face	EN 320	N	1050
14.0	Screw Withdrawal Edge (≥ 15 mm)	EN 320	N	850
15.0	Classification Of Spread Of Flame	BS 476 : Part 7	-	Reaction to fire classification : Class 1



FR HDMR BOARDS

THICKNESS :
18 mm

SIZES :
2440mm x 1220mm

SCAN ME



*for more information about our offerings
and latest updates from our website.*

URL

 rtree.com.my

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