











Absorbs

Sound

Anti rodent

DÓC

Thermoformable

Anti-bacterial

Nailable

Good

screw holding

Smoke

suppressant

No harmful

ingredients

130- 160 degrees Celsius.

1-2 minutes/mm of board thickness

METHOD

UL94

ASTM E84: 2020

ASTM E84: 2020

Dalala

COMPARITIVE STUDY OF FIWOOD WITH OTHERS

FiWOOD

700-800

Natural fibres and

Therm oplastics

Above par

Both indoor & outdoor

X

Use full threaded drywall screws for better performance.

Water resistant

Better Glue Coverage

Faster setting time

• Suggested glue: Fevicol Probond • NFC-GLU • For seamless joinery – apply glue on the edges

PVC/WPC

400-600

PVC and fillers

materials

Not always

Not known

Below par

Not always

Preferably

indoor

X

X

NFC glue is Solvent based HIBRID GLUE. Fevical Probond Glue is also

On top of FiWOOD apply any Sealent based Putty, Primer & Paint, Not Water

bonding with the best

Can bond mostly all panels

ASTM D792

IS: 2380

IS: 2380

IS: 2380

IS: 2380

IS: 2380

ls: 2380

IS: 2380

IS: 2380

IS: 2380

ASTM D638

ASTM D695

ASTM D638

ASTM D6110

ASTM D648

ASTM D1525

EPA: 5035A (by GCMS)

IS 4833

IS 4873

IS 4873

Save Trees & Go Green

Kg/CBM

%

%

%

N/mm²

N/mm²

N/mm²

 N/mm^2

Ν

Ν

MPa

MPa

%

KJ/m²

°С

°C

Mg/KG

800.349

0.02

0.12

0.06

14.5

14.4

1327

1290

2252

1409

7.6

40.2

2

6.25

64.45

72.5

Below detectable limit

No sign of termite attack

No sign of fungal attack

No sign of borer attack

wall panelling

FOAM BOARD

PLYWOOD

650-750

Medium/Soft w ood,

Formalde hyde,

Urea/Phenol

X

For some time

X

Above par

Indoor

X

X

MDF

600-700

Medium/Softwood,

Urea, Formalde hyde

X

X

X

Below par

Only indoor

X

X

5 minutes

1-2 min/mm of board thickness (for example 18-36 minutes for 18 mm board)

LIMIT

0 - 25

CLASS 1 OR A

450

RESULT

V0 Rating

6

CLASS 1 OR A

100

Termite Proof | Water Proof | Flame Retardant

Water & Termite Proof

Can use Nail & Screw

Natural Wood Surface

can Polish & Paint

Interior & Exterior Use

Water

proof

Termite

proof

100% Recyclable

Flame retardant -

Vo rating in UL94 test Class 1 or A as per ASTM E84

Easily

machinable

6 >

Resistant to fungus,

algae or mold

 ∇Z

K 7 Resistant to

expansion/contraction

100% Eco-friendly





THOMSON

W.C.				
	1000	To the same of	N STATE	
		200		
				-
A.				
1000			778	
1360	25000		19000	3500

N. S.	10-	Y-100		
			-	-
	-	200		
	4			
			0	à
	1		1	

36years of pioneering experience	
The same of the sa	
The state of the s	
Pagetia	+

No formaldehyde emission Durable

resistant

No splintering, no crack Easily Machinable | Thermoformable | Eco-friendly & Recyclable

THERMOFORMING Effortless thermoforming without any compromises on the strength is a unique feature of FiWOOD. The high content of natural fibres makes sure that the density and dimensional stability is uncompromised post thermoforming. Heating temperature Heating time Locking (desired shape) time Cooling time

TEST

NO

1

2

3

4

5

6

7

8

9

10

11

12

PROPERTIES

DENSITY (KG/CBM)

RAW MATERIALS

TERMITE PROOF

WATER PROOF

FLAME RESIST ANT

SCREW HOLDING

CONVENTIO NAL TOOLS

OVERLAY

LAMINATE/VENEER

OUTDOOR AND INDOOR

APPLICATIONS

SHRINKING AND SWELLING

WEATHER AND AGEING

RESIST ANT

ECO-FRIENDLY

FIWOOD GLUEING

recommended.

based.

SURFACE FINISHING

SEREWING & NAILING

FLAMMABILITY

FLAME SPREAD INDEX

SMOKE DEVELOPED INDEX

	vai
PI	Su
	C

TEST
DENSITY
WATER ABSORPTION AFTER 2 HRS
WATER ABSORPTION AFTER 24 HRS
THICKNESS SWELLING AFTER 2 HRS
MODULUS OF RUPTURE - AVERAGE
MODULUS OF RUPTURE - MINIMUM INDIVIDUAL
MODULUS OF ELASTICITY - AVERAGE
MODULUS OF ELASTICITY - MINIMUM INDIVIDUAL
SCREW WITHDRAWAL - FACE
SCREW WITHDRAWAL - EDGE
TENSILE STRENGTH
COMPRESSION STRENGTH
ELONGATION @ BREAK
CHARPY IMPACT STRENGTH
HEAT DEFLECTION @ 0.45MPA
SOFTENING TEMPERATURE @ 1 KG
VOC EMISSIONS
TEST FOR TERMITE RESISTANCE
TEST FOR FUNGAL RESISTANCE
TEST FOR BORER RESISTANCE
Available dimensions: FiWOOD Boards are ge 20mm, 25mm However customised dimension Please check with us for further details. • Suggested glue: Fevicol Probond • NFC-GL
шю о

EST FOR BORER RESISTANCE able dimensions: FiWOOD Boards are generally available in 8' X 4' - 6mm, 8mm, 12mm, 15mm, 18mm, n, 25mm However customised dimensions are available in any size and thickness. Density may vary by 5 %. e check with us for further details. gested glue: Fevicol Probond • NFC-GLU • For seamless joinery – apply glue on the edges

TEST FOR FUNGAL RESISTANCE
TEST FOR BORER RESISTANCE
Available dimensions: FiWOOD 20mm, 25mm However customis Please check with us for further of Suggested glue: Fevicol Probo
Corporate Office : M/s. Tricone B

മരം ഒരു വരം ! മരം മുറിക്കരുത്..! FiWOOD ഉള്ളപ്പോൾ. GROUP 36years of pioneering experience porate Office: M/s. Tricone Building Products [India] Pvt. Ltd. Nediyuzhathil Towers, T.D. Road, Ernakulam, 682 011 f /thomsonmultiwood o/thomsonmultiwood /multiwoodindia //thomsonmultiwood www.multiwood.in info@thomsonmultiwood.com **Customer Care:** 97456 07200 **Landline:** 0484 405 82 18,15,12