

**BOILING WATER PROOF AND
FIRE RETARDANT BOARD**

*Sabse behtar
Sabse mazboot.*



WHY



BOILO?

BOILING WATER PROOF FR (FIRE RETARDANT) HDF (HIGH DENSITY FIBER) BOARD



Why BOILO is a great option?

Boiling Water Proof, FR is Born Tough HDF Board. It is developed to cater to specific needs of Kitchen and Damp areas. It is Fire Retardant too and tested against national and international standards to ensure better safety. Its density is above 1000 kg/m³ and makes it suitable for the interior applications having wet conditions, high load-bearing surfaces, high traffic and high-temperature areas. Boilo is actually a great product for all seasons.

Choose from the wide range of available shades and even new colors can be made, if required. Action TESA actually revolutionized the interior infrastructure industry by extending forestated inherent properties at a very nominal cost, thus replacing plywood rapidly across PAN India. The excellent performance of these boards has succeeded in overcoming the traditional myth regarding plywood pertaining to toughness & longevity

Available in Thickness: - 8mm, 12mm, 16mm & 18mm (Plain & Prelam)

Size: 8 x 4ft (8 x 6 ft available in 12mm only) **More than 130 shades in European Paper**

KEY APPLICATION AREA: Restroom Toilet Cubicle • Thermal Insulation • Load Bearing Area – Decking / Warehouse Shelves/ Staircases • Container Floor • Truck Floor • Bus Body Floor • Bathroom Partition • Fire Retardant Application • Flooring • Wall Paneling • Furniture • Fixtures • Modular Kitchen • Wardrobes • Moist Area Furniture

FIRE RETARDANT

**TESTED AS PER STANDARD OF
FIRE RETARDANT PLYWOOD (IS 5509 : 2000)**
**FLAME RETARDANT 3 TIMES MORE AGAINST PASSING
PARAMETER OF IS 5509 : 2000 - FIRE RETARDANT PLYWOOD**



- BOILING WATER PROOF BOARD
- FIRE RETARDANT
- TERMITE & BORER PROOF
- HIGH IMPACT RESISTANCE



Technical Details

FIRE RETARDANT PROPERTIES BOILO-BWP FR HDF v/s FR PLYWOOD

Sl. No.	Test Description	UOM	Test Standard	Fire Retardant Plywood - IS-5509 Requirement	BOILO BWP HDF Results
	Thickness	mm		19mm	18mm
1.	Flammability	Minutes	IS 1734- Part 3	30	100
2.	Flame penetration	Minutes	IS 1734- Part 3	45	51
3.	Rate of burning	Minutes	IS 1734- Part 3	20	39

TEST REPORT BOILO 12MM AS PER IS 15061:2002

Horizontal burning	Specified values ≤ 100	Actual test result - 0 not ignite (very good result)
Vertical burning	Specified values ≤ 100	Actual test result - 0 not ignite (very good result)
Melting behavior	No flaming or melting	Remark - Confirm passing

TEST STANDARDS: ASTM E84-2020 (TESTED SPECTRO ANALYTICAL LAB LTD.)

Index	Class 1 or A requirement	TESA Boilo result
Flame spread Index	0 - 25 (lower is better)	6.37
Smoke development	450 Maximum (lower is better)	77.57
Remarks	Passing	Passing Class 1 or A

BOILO-BWP FR (FIRE RETARDANT) HDF BOARD (FEATURES AND BENEFITS)

Feature	Benefits
BWP	<ul style="list-style-type: none"> ○ Boiling Water Proof
Fire retardant property confirming to IS:5509 Standard	<ul style="list-style-type: none"> ○ Fire retardant
Borer	<ul style="list-style-type: none"> ○ Borer Proof
Termite proof (1 Year testing Certificate from IPRITI)	<ul style="list-style-type: none"> ○ Termite proof
High-Density	<ul style="list-style-type: none"> ○ High strength ○ It makes Multi-Dimensional routing and carving possible
Smooth Surface	<ul style="list-style-type: none"> ○ Best suited for painting and polishing
High surface density of 1180kg/ m ³	<ul style="list-style-type: none"> ○ High impact resistance ○ High resistance to dents ○ High paint coverage due to less surface absorption ○ Lower glue consumption for post-lamination ○ Low flammability – (FR properties)
Uniform Thickness	Bubble free Pre-Lamination & Post-lamination
Homogenous structure- across the grain and along the grain	No core gaps or core overlaps
Grey color	Can be polished- used as coloured HDF
Available in 8'X6' (12mm)	Reduction in cutting wastage
High rigidity (6 times higher than the requirement of structural plywood IS:10701)	High Load - bearing strength
High bonding strength	<ul style="list-style-type: none"> ○ Long Lasting product ○ High internal bonding and excellent screw holding/ withdrawal strength which remains unaffected even in boiling water
High Dimensional Stability	<ul style="list-style-type: none"> ○ Much lower water absorption ○ Lesser thickness swelling ○ Much lower linear expansion

APPLICATION



The Action Group, one of India's largest business conglomerates, was established in the early 1970s under the guidance of Shri N. K. Aggarwal, a respected leader, visionary, and philanthropist. The Group began its operations by stepping into footwear industry. And today, it has well defined diversified presence in the Electronics, Real Estate, Chemicals, Flex Manufacturing, Healthcare, Coal Mining and Panel Products Industries.

The Panel Products Range:

CARB certified MDF & Particle Boards

MDF, Particle & HDHMR Boards

High Gloss UV & Acrylic Boards

Ornamatte - Super Matte Finish Board

Embossed HDF Boards

BOILO - Boiling Water Proof FR HDF Board

Abraze -Highly Scratch Resistant Board

HDF Laminated Flooring & HDHMR Flooring Accessories

Doors



Manufactured & Marketed By :-

Balaji Action Buildwell Pvt. Ltd.

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