



MAIN AJAY
BOILO HUN
MUJHE KOI DAR NAHI



BOILO - BWP FR HDF BOARD

THE TOUGHEST OF ITS CLASS

Action Tesa Boilo BWP & FR Grade HDF Boards are manufactured from wood fiber material impregnated with waterproof resins and bonded through a high-pressure process. The core is created with a base of 100% technical-grade urea resins. It is designed as a resilient solution for interior applications exposed to wet conditions, high load-bearing requirements, and heavy traffic zones. This makes Boilo a reliable, all-season product.

A high density of >1000 kg/m³ makes it more durable, and its multidimensional stability allows it to be suitable for CNC, various profiles, and carving work.

Another great feature of Boilo is its Fire Retardant (FR) property, tested as per domestic/global parameters, offering added protection against fire.

Termite and borer proof, Boilo is compliant with IPIRTI standards and is fully protected against infestation from every conceivable angle for unmatched quality assurance.

The pre-laminated board range of Boilo offers more than 170 shades of European décor paper to choose from.

Available Thickness: 8mm, 12mm, 16mm, 16.75mm & 18mm (Plain & Pre-laminated)

Available Sizes: 8 x 4 ft (Standard) and 8 x 6 ft (12mm & 18mm only)

APPLICATION AREA: Restroom Toilet Cubicle • Bathroom Partition • Thermal Insulator • Load Bearing Area - Decking / Warehouse Shelves / Staircases • Container Floor • Truck Floor • Bus Body Floor • Flooring • Wall Panelling • Furniture • Fixtures • Modular Kitchen • Wardrobes • High Moisture Area Furniture • Gym / Public Space Lockers

- **Modulus of Rupture >50 N/mm²**
- **Modulus of Elasticity >5000 N/mm²**
- **Internal bonding >2.5 N/mm²**
- **Rigidity >2500 N/mm²**



TERMITE PROOF



BORER PROOF



FIRE RETARDANT



FUNGAL RESISTANCE



HIGHER DENSITY



TOUGHER THAN PLYWOOD



Indian Green Building Council MEMBER



BIO degradable
Made from wood fiber





BOILO CUBICLES ARE **LONG-LASTING**

Toilet cubicles and restrooms are confined spaces constantly exposed to high humidity, water splashes, frequent cleaning, and heavy daily usage. These conditions often lead to swelling, warping, and surface deterioration in conventional boards. But Action TESA Boilo (BWP & FR Grade HDF) Boards are specifically engineered to perform in such demanding spaces, offering superior resistance to moisture and long-term structural stability.

The 12mm or 18mm laminated Boilo boards are recommended for all types of cubicle units. They mount easily on aluminum or stainless-steel frameworks to form doors, partitions, and pilasters. For maximum longevity, secure them with corrosion-resistant fittings, hinges, and locking hardware.

With high density (>1000 kg/m³), Boilo boards are resistant to water, easy to clean, and capable of withstanding continuous use, effectively eliminating recurring issues associated with dampness and deterioration. This makes Boilo a reliable solution for restroom cubicles in commercial, institutional, and public facilities.

Choose unmatched Boilo boards with premium, performance-driven features and live without Fear.

RECOMMENDED STANDARD HARDWARE & ACCESSORIES DETAILS

The standard size is 900mm X 1550mm (W-L), Height 1980mm to 2100mm as per the model. All vertical panels are to be supported by adjustable legs with a floor gap 150mm. The maximum door size is 600mm.

STANDARD HARDWARE DETAILS - Top Rail, U-Channel, F-Channel, available in SS 304 grade and aluminum anodized black and gray colors.

STANDARD ACCESSORIES FOR FITTINGS - Door knob, coat hook, gravity hinges, thumb turn, and adjustable legs (all accessories are available in Nylon Polyamide Grade-6 And SS 304 Grade, adjustable legs are available in SS 316 Grade). Rubber lining for noise-free closing of the door.



BOILO KITCHENS DON'T NEED REPAIRS

In kitchens where safety matters as much as performance, Boilo helps reduce fire risks, so the focus stays on cooking a tasty meal. Its Fire Retardant (FR) properties resist ignition and slow down thermal conductivity around heat-generating appliances.

With Boiling Water Proof resistance to vapors, spills, and frequent cleaning, Boilo withstands 72-hour boiling water submersion without impact.

Boilo also offers excellent screw-holding capacity, providing firm and durable fixations for cabinets, hinges, and hardware. The high-density fiber structure does not allow any type of splitting or surface damage. This stability ensures fittings remain tight, aligned, and reliable over time in high-use kitchen spaces.



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 passed

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	Passed Class 1 or A

IMPORTANT GLOSSARY, FEATURES, AND BENEFITS

Glossary	Features	Benefits
BWP	Boiling Water Proof	Withstands 72 hours of boiling water submersion
FR	Fire Retardant	FR properties conforming to IS:5509 standards
TP & BP	Termite-proof & Borer-proof	Termite-proof for a 1-year test period (IPIRTI)
HD	High Density	Provides superior strength Makes multi-dimensional routing and carving possible
Surface	Smooth Surface	Best suited for paint or polish
HSD	High Surface Density of >1000kg/m ³	High impact resistance High resistance to dents Higher paint-coverage due to less surface absorption Lower glue consumption post lamination Low flammability (FR properties)
Thickness	8, 12, 16, 16.75, and 18 mm	Uniform Thickness Bubble-free, pre- and post-lamination
Homogeneous structure	Uniformity in structure	Homogeneous structure across the grain and along the grain No core gaps or core overlaps
Colour	Grey shade	Can be polished and used as colored HDF
Available Sizes	8 x 6 feet (Standard) 8 x 6 feet (12 and 18 mm only)	Reduction in cutting wastage
Rigidity	>2500 N/mm ² against the minimum requirement of 588 N/mm ² in Structural Plywood	High load-bearing strength High rigidity: 6 times higher than the requirement of structural plywood IS:10701
Bonding Strength	High internal bonding of >2.5 N/mm ² Internal bonding after accelerated water resistance >1.0 N/mm ²	Long-lasting product High internal bonding and excellent screw holding/ withdrawal strength remain unaffected even in boiling water
MOR	Modulus of Rupture >50 N/mm ²	Superior bending strength to resist breakage
MOE	Modulus of Elasticity >5000 N/mm ²	Exceptional stiffness for shape retention under heavy loads
Dimensional Stability	High Dimensional Stability	Smooth finish after carving and routing Low to no water absorption Low to no chance of thickness swelling Low linear expansion

APPLICATIONS
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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
Abraze -Highly Scratch Resistant Board

BOILO - Boiling Water Proof FR HDF Board

Moist Master - HMR Particle Board
HDF Laminated Flooring &
HDHMR Flooring Accessories
HDHMR Doors
Moistro Door



Manufactured & Marketed By :-

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