



# BORN TOUGH

Boilo is an Ultimate Solution  
For the Modern Age Restrooms



# WHY BOILO?

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

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### Why BOILO is a great option?

There are several surfaces such as metal, stone, ply and engineering wood which may be considered as option to modern Toilet Cubicles but if you looking for best-of-the-breed product among all, great attractive colors, and still value for money proposition, BOILO BWP, FR HDF Board is ideal. Boilo has density over 1000+ kg/m<sup>3</sup> and it is highly recommended for interior application having wet conditions, high load bearing surfaces, high traffic and high temperature areas.

- **Great product for all seasons**

BOILO boards are Suitable for all environmental conditions, these boards are also resistant to fungus, making them ideal for damp spaces.

- **Choose from wide range of Colors**

By selecting right colors same cubicle space will look considerably large. Choose from wide range of fantastic shades and contact us if you need some specific color (made to order)\*.

**Available in - 8mm, 12mm, 16mm & 18mm (Plain & Prelam) Size: 8 x 4ft (8 x 6 ft available in 12mm only)**

**OTHER APPLICATION AREA :** • Restroom Toilet Cubicle • Thermal Insulation • Load Bearing Area (Decking / Warehouse Shelves/ Staircases) • Container Floor • Truck Floor • Bus Body Floor • Bathroom Partition • 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

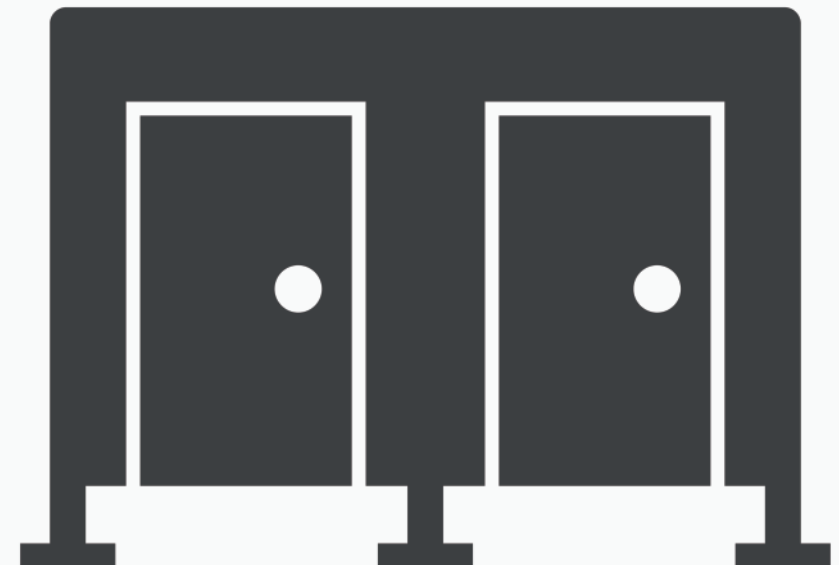


BOILING WATER PROOF BOARD

FIRE RETARDANT

TERMITE & BORER PROOF

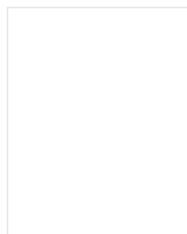
HIGH IMPACT RESISTANCE



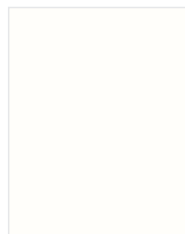
# COLOR PLUS

**CHOOSE FROM WIDE RANGE OF FANTASTIC COLORS. DEMAND COLORS OF YOUR CHOICE\***

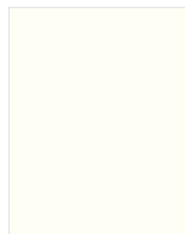
\*Make to Order



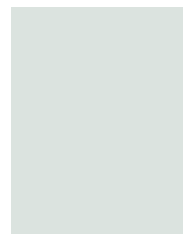
**Super White**  
1101 - SD



**Everest White**  
1102 - SD



**Frosty White**  
1103 - SD



**Silver Grey**  
1104 - SD



**Slate Grey**  
1105 - SD



**Black**  
1106 - SD



**Cardinal Red**  
1107 - SD



**Marigold Yellow**  
1108 - SD



**Electric Blue**  
1109 - SD



**Ivory**  
1111 - SD



**Gothic Grey**  
1113 - SD



**Orange**  
1116 - SD



**Parrot Green**  
1119 - SD



**Hutch Pink**  
1126 - SD



**Mocha Brown**  
1134 - SD



**Olive**  
1135 - SD



**Hong Kong Blue**  
1138 - SD



**Irish Blue**  
1140 - SD



**Night Grey**  
1141 - SD



**Pebble Beach**  
1142 - SD



**Coral Pink**  
1143 - SD



**Chocolate**  
1144 - SD

## 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 |
|---------|-------------------|---------|-----------------|--|-----------------------|
|         | <b>Thickness</b>  | mm      |                 | <b>19mm</b>                                  | <b>18mm</b>           |
| 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 $\leq 100$ | Actual test result - 0 not ignite<br>(very good result) |
| Vertical burning   | Specified values $\leq 100$ | Actual test result - 0 not ignite<br>(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"> <li>○ Boiling Water Proof</li> </ul>  |
| Fire retardant property confirming to <b>IS:5509</b> Standard                             | <ul style="list-style-type: none"> <li>○ Fire retardant</li> </ul>   |
| Borer   | <ul style="list-style-type: none"> <li>○ Borer Proof</li> </ul>  |
| Termite proof<br>(1 Year testing Certificate from IPRITI)                                 | <ul style="list-style-type: none"> <li>○ Termite proof</li> </ul>  |
| High Density  | <ul style="list-style-type: none"> <li>○ High strength</li> <li>○ It makes Multii Dimensional routing and carving possible</li> </ul>  |
| Smooth Surface  | <ul style="list-style-type: none"> <li>○ Best suited for painting and polishing</li> </ul>   |
| High surface density of 1180kg/ m <sup>3</sup>  | <ul style="list-style-type: none"> <li>○ High impact resistance</li> <li>○ High resistance to dents</li> <li>○ High paint coverage due to less surface absorption</li> <li>○ Lower glue consumption for post-lamination</li> <li>○ Low flammability – (FR properties)</li> </ul> |
| 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<br>(6 times higher than requirement of structural plywood <b>IS:10701</b> ) | High Load bearing strength   |
| High bonding strength   | <ul style="list-style-type: none"> <li>○ Long Lasting product</li> <li>○ High internal bonding and excellent screw holding/ withdrawal strength which remain unaffected even in boiling water</li> </ul>   |
| High Dimensional Stability  | <ul style="list-style-type: none"> <li>○ Much lower water absorption</li> <li>○ Lesser thickness swelling</li> <li>○ Much lower linear expansion</li> </ul>  |

The Action Group, one of the India's biggest business house came to existence in the early 70's under the capable leadership of Shri Mange Ram Aggarwal. 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

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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