



BUILDING PRODUCTS OF CANADA CORP.

TECHNICAL DATA SHEET

INDUSTRIAL WOOD FIBRE PANELS

1/2" SMARTCORE INDUSTRIAL PANEL - CALENDERED CLAY COATED CLASS A FIRE RATED

DESCRIPTION:

Our 1/2" **Industrial Panel** is composed of post industrial interlocking fibres impregnated with a water-repellent petroleum wax emulsion. It is coated on the front side with a smooth calendered clay coating and textured finished on the back side. Our 1/2" **Industrial Panel** is a product with good mechanical and laminating properties.

ENVIRONMENTAL CONSIDERATIONS:

Contains no carcinogenic formalde-hyde, no urea formaldehyde, no volatile organic carbon (VOC), hydro-chlorofluorocarbon (HCFC), pentane nor other substitute products traditionally used for binding and waterproofing. Binding agent is a natural, abundant and renewable resource.

USES:

The 1/2" **Industrial Panel** is produced under strict specifications. It can be used for various industrial requirements. Its strength and smooth surface make this board ideal for tack boards, marker boards, black boards, cork boards, packaging, coating or laminating applications.

STORAGE:

The 1/2" **Industrial Panel** must be stored 100 mm (4") above ground level. We strongly recommend storing the panel in an interior environment. However, if it's stored outside, it must be adequately protected from the elements with tarpaulins.

DIMENSIONS AND PACKAGING

| Width | Length | Tolerance | Panels/Bundle |
|---------------|--|--------------------------|---------------|
| 1219 mm (48") | The product is available in different lengths. Contact our customer service department for available dimensions. | -3.2/+ 0 mm (-1/8", +0") | 96 |
| 1244 mm (49") | | -0/+ 3.2 mm (-0", +1/8") | |

| CHARACTERISTICS | UNITS | | RESULTS BP | | TEST METHOD |
|--|--------|--------------------|------------|----------|----------------|
| | METRIC | IMPERIAL | | IMPERIAL | |
| Thickness 12.5 mm (1/2") | % | % | +/-10% | +/-10% | ASTM C209 |
| Squareness | mm | in | 3.2 | 0.125 | BP test method |
| Face trueness | mm | in | 12.5 | 0.5 | BP test method |
| Thermal Resistance, 25.4 mm (1") | RSI | R | 0.52 | 3.0 | ASTM C518 |
| Transverse Load at Rupture min. | N | lbf | 55.6 | 12.5 | ASTM C209 |
| Tensile Strength - Parallel to surface | kPa | lb/in ² | 2051 | 297.5 | ASTM C209 |
| Water Absorption 2 hr | % | % | 7.7 | 7.7 | ASTM D1037 |
| Linear Moisture Expansion | % | % | <0.5 | <0.5 | ASTM D1037 |
| Flame Spread Index | - | - | <25 | <25 | ASTM E84 |
| Smoke Developed Index | - | - | <440 | <440 | ASTM E84 |

ADDITIONAL INFORMATION

Color variation may occur from one production to the next however this does not affect panels performance. It is the customer's responsibility to ensure that the final assembly using BP's UL certified Class A product, meets the ASTM E84 (UL723) – Class A norms.

APPLICABLE STANDARDS

ASTM E84 - UL723 – Class A

CERTIFICATIONS AND OTHERS

All our SmartCore industrial panels complies with FSC® (Forest Stewardship Council®) audited by Rainforest Alliance (FSC MIX CREDIT RA-COC-006310)
Our standard configuration meets ASTM E84 (UL723) Class A fire rating



MINERAL AND FIBER BOARDS
SURFACE BURNING CHARACTERISTICS
FHC 25/50
FILE R37859



The mark of
responsible forestry
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