

# FRIIB

## Flame Resistant Industrial Insulation Board



The superior design and flame resistance distinguish FRIIB panels from others currently available on the market. For use in settings requiring stringent fire ratings, such as in offices and other commercial applications, FRIIB offers features not available in other commercially available products, including mineral and fiberglass panels.

### **Tackboards**

FRIIB provides an excellent substrate for tackboard manufacturing. FRIIB fiber matrix permits repeated tacking and less deterioration than mineral fiberboard. Additionally, cork or fabric can be laminated to the panels.

### **Furniture Products**

FRIIB panels work nicely in the construction of numerous furniture products.

### **Wood Fiber Board**

The sourcing of the cellulosic raw material is 85% post industrial, 10% from recyclers of wood materials, and 5% pre-consumer.

### **Office Panels**

FRIIB panels' characteristics make it very suitable for office partitions. It provides an outstanding core for vinyl or fabric covered panels in systems.

FRIIB panels carry a Class A fire rating on the coated side and tested in accordance with ASTM E84 under File R-4019. FRIIB panel characteristics include greater strength and superior machinability, making it particularly suitable for applications requiring the properties, as in fabrication of partitions and tackboards.

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## Flame Resistant Industrial Insulation Board

- Offers high strength in a lightweight, wood fiberboard
- Specifically formulated to achieve a Class A fire rating
- Exceptional machinability not found in other flame-resistant fiberboards
- More tackable and less brittle than other comparable panels
- The sourcing of the cellulosic raw material is 85% post industrial, 10% from recyclers of wood materials and 5% pre-consumer.

### Properties

Thickness	0.502 inch
Density	15.6 lb/ft <sup>3</sup>
Humidity	6.0 %
COBB	0.05 lb/ft <sup>2</sup>
Weight	647.6 lb/ft <sup>2</sup>
Water absorption 2 HRS	7.7% vol
Water absorption 24HRS	15.5% vol
Thermal Conductivity	0.31 K
Thermal resistance	1.54 R
Transverse Load at Rupture	14.98 lbf
Deflection	0.7 inch
Modulus of Rupture	370.6 psi
Tensile Strength-Parallel to surface	297.47 psi
Tensile Strength-Perpendicular to surface	7.24 psi
Compression	30.0 psi
Nail Pull-Through	67.7 lbf
Peeling	4.2 lbf

### Size and Thickness

- Thickness: 1/2 inch
- Width: 4'
- Length: 7', 8', 9', 10', and 12'

### Fire Rating Characteristics—Coated Side

- Flame spread: 15
- Smoke developed: 50