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TESTING

Fire Resistance - Japanese Ministry of Construction, 3rd Level Fire Test PASSED, 1994 Japanese Ministry of Construction, 2nd Level Fire Test PASSED (Pan-Brick 850FR), 1996

Thermal Resistance - Ortech, Thermal Evaluation (Insulation Value) 1995: over R10 DETERMINED

Water Resistance - Saskatchewan Research Council, Water Penetration Test 1996: ZERO PENETRATION Exposure to direct water spray of 6.3 L/min./m² at 300 mm from the wall surface and a negative pressure of 500Pa maintained across the rear of the wall assembly.

Water Vapour Transmission - 0.7 perm

Compressive Strength - 80 PSI at 10% determination

Shear Strength - 35 PSI for foam core, brick/foam bond and plywood bond

Brick/Foam Bond Strength - Over 700 lb. force required to pull individual slice from panel

Mortar Joint - Puncture Strength - 900 PSI

Transverse Loading - 0.03 inch deflection for 100PSF loading (16 in. O.C. stud spacing - no fastening)

Freeze-Thaw Resistance - No effect after 200 cycles (80 deg. F to - 20 deg. F face in water)

Weather-O-Meter - No effect after 7,000 hours (U.V. light and water)

CERTIFICATION

PAN-BRICK 850FR is certified as a Quasi-Non-combustible product for use in Japanese fire zones. Certification #1321.

PAN-BRICK is certified as a Fire Resistant product in Japan. Certification # 106 (Earth-Plaster Wall Equivalency).

PATENTS

PAN-BRICK is patented under: U.S. Patent #5,715,637, Canadian Patents #2,174,573 & #2,206,671