

SafeCore®

A New Concept in Fire Door Technology!



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SafeCore®

Positive and Neutral Pressure Banded Fire Door Core

Key Features:

- Lightweight
- Patented Technology
- Excellent Insulating Properties
- Strong and Durable Construction
- Concealed Intumescent for Category A Positive Pressure applications

Key Benefits:

- Light weight for easy handling and installation
- Excellent screw holding strength
- Very Low temperature rise*
- Pre-sanded - ready to apply crossband and veneer or door skin

Currently in Production and Available:

- 45, 60, 90 Minute Ratings*
- Neutral and Positive Pressure**
- Warnock Hersey Certification Label – Intertek Testing Services
- Wood edge available in a variety of wood species
- Singles up to 4-0 x 8-0 and Pairs up to 8-0 x 8-0

* “Positive Pressure” conforms to UL 10(c) and UBC 7-2 (1997) Part A: “Methods of Fire Tests of Door Assemblies”: (Positive furnace pressure).

** “Negative Pressure” conforms to UL 10(b) CAN/ULC S104, NFPA 252, ASTM E 152. CSFM 43-7, and UBC 7-2 (1994) “Methods of Fire Tests of Door Assemblies”:(Conventional or neutral furnace pressure).

Temperature Rise:

- Maximum 250° F at 30 minutes – NFPA 80
- Maximum 250° C at 60 minutes – National Building Code of Canada

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Fire Safe Products Division introduces **SafeCore®**
- A New Concept in Fire Door Technology:

Lightweight

After several years of development, testing and refinement, a new concept in fire door core technology has emerged. **SafeCore®** is a proprietary pre-banded mineral core that is much lighter in weight by comparison. The core material, SKAMOTEC™ 300, at only 18.7 pcf density (300 kg/m³), is up to 60% lighter than other core materials.

Insulating:

In Temperature Rise Tests*, **SafeCore®** remains well below the maximum allowed temperature limit on the non-fire side of the door. This is because of the superior insulating properties of the SKAMOTEC™ 300 core material.

Built-in Technology:

SafeCore® is a proprietary core with patented design (U.S. Patent No. 6,434,899). The result is in strength, durability and excellent screw holding capability. Because it is lighter than most cores, stress is relieved on the door's hardware components. The installer will appreciate the **SafeCore®** Door's light weight and no added intumescent required at the job site (positive pressure category A applications). **SafeCore®** is also available for neutral pressure applications and category B positive pressure applications.

Flexibility:

SafeCore® is made to order with a wide choice of wood stile species and internal blocking options. Inner stiles and rails are of a high-density mineral composite. Stiles are trimmed with 9/16" (15mm) wood allowing them to be trimmed and beveled as required. **SafeCore®** banded core come pre-sanded and ready for the addition of crossband and veneer, or pre-manufactured door skin. **SafeCore®** is available with minimal lead-time required for "just-in-time" delivery.

SafeCore® With Built-in Technology:

Maximum Sizes and Ratings**:

Door Type	45 Minute Rating	60 Minute Rating	90 Minute Rating
Single Swing	4'0" x 8'0"	4'0" x 8'0"	4'0" x 8'0"
Pairs – Standard	8'0" x 8'0"	8'0" x 8'0"	8'0" x 8'0"
Door w/Transom	4'0" x 8'0"	4'0" x 8'0"	4'0" x 8'0"
Pairs – Double Egress	N/A	N/A	N/A

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Hardware Approvals:

Hardware Type	Rating	Stiles	Internal Blocking
Single Point Latch	All	Standard	Optional
Mortise Lock/Latch	All	Standard	Optional
Mortise Panic	All	Standard	Optional
Flushbolts: Manual/Auto	45-60	Standard	Top, Bottom
Flushbolts: Manual/Auto	90	5"	Top, Bottom
Surface Panic	All	Standard	Top, Middle, Bottom
Surface Mount Closer	All	Standard	Optional
Concealed Door Closer	45-60	Standard	Top Rail – 5"
Mortise Door Bottom	45-60	Standard	N/A
Concealed Vertical Rods	All	5"	N/A

Standard Blocking:

Blocking Location/Dimension
5" Top or Bottom Rail
7" Top or Bottom Rail
5" Mid Rail
10" Mid Rail
5" Stile
5" x 10" Lock Block
5" x 18" Lock Block

If other blocking is needed, please contact us for availability.

Stile Species:

Natural Maple
White Maple
Red Oak
White Oak
Cherry
Mahogany
Walnut



If other species of stiles are needed, please contact us for availability.

Product development is ongoing; please contact us for core availability and a complete listing of hardware options, adhesives, plant-ons and lites. On-going product development and testing will assure added options in the future and compliance with current industry standards.

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*General Information:

Machining specifications are available to authorized door manufacturers and door machiners to produce and/or machine fire doors under Intertek Testing Services NA Ltd./Warnock Hersey certification and labeling service. To obtain authorization to use these specifications and to access our portal on ITS SpecDirect, or for technical assistance, please contact Fire Safe Products at www.strekodoors.com or by phone at 715-223-2376.

Company & Contact Information:

Fire Safe Products is dedicated solely to the production and supply of quality banded mineral cores **SafeCore®** and core components to the wood and metal door industries. Door manufacturers are our only customers. We look forward to serving you!

Sales Office & Production:

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The History of STREK-O Doors & Fire Safe Products:

STREK-O Doors, located in the small central Wisconsin town of Abbotsford, Wisconsin, began as Streckert Manufacturing in the 1940's, which primarily manufactured hollow core and stave core doors.

In February of 2004, the ownership changed and Streckert Manufacturing was renamed to STREK-O Doors. The product offerings have increased over the years to include stave core along with particleboard, structural composite lumber core, and mineral core. STREK-O Doors also manufactures doors in nearly every veneer imaginable with some of the quickest lead-times in the industry.

In 2007 STREK-O added **SafeCore®** to their product offering after acquiring Fire Safe Products from Skamol A/S, a Danish company founded in 1912.

The philosophy of maintaining excellent customer service, while producing a quality product that began with Streckert Manufacturing in the 1940's, continues with STREK-O Doors & Fire Safe Products today.

