

THEATRE EFFECTS

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DATA SHEET
**FR44 Fire Barrier Fabric (Wire-reinforced Proscenium
 Fire Safety Curtains)**
FABRIC DESCRIPTION:

Theatre Effects FR44 Fire Barrier Fabric is a 2-1/2 pound per square yard (nominal weight), basket weave, wire-inserted / reinforced high temperature coated 100% glass yarn fabric. Color: Beige

THEATRICAL APPLICATION:

Proscenium Safety Curtains (all styles) and Fire Safety Light Borders (a.k.a. Electric Borders)

PROSCENIUM SAFETY CURTAIN APPLICABLE BUILDING CODES:

FR44 Fire Barrier Fabric meets or exceeds the requirements of all national and local building codes currently in use in the United States and Canada. Some of these most often used codes are:

1997 and earlier UBC	1996 and earlier BOCAI/BOCA National/BOCA Basic
1997 and earlier SBCCI	1997 and earlier NFPA #101 Life Safety

PHYSICAL PROPERTIES:

Weight - 40 oz/sq yd (nominal)	Thickness - 0.075 inches (approx)
Count - 16 Warp x 9 Fill (approx)	Construction - Basket weave / Stainless steel wire reinforced
Tensile Strength (pounds per inch) - 400 lbs. (minimum) - Warp x 400 lbs (minimum) - Fill	

FLAMMABILITY / SMOKE TEST DATA:

ASTM E119 (NFPA 251) (UBC 7-1 & 43-1) Fire Endurance Test Procedures: Performed using the Standard Time Temperature Curve (1000 degrees F at 5 minutes / 1300 degrees F at ten minutes / 1550 degrees F at 30 minutes / 1700 degrees F at 60 minutes in large vertical ovens with sample bottom batten pockets weighted with a minimum of 7 pounds per linear foot, meeting or exceeding requirements listed above, and others, except 1978 & earlier BOCA Basic Building Codes which require "Modified Procedures" 30 minute periods (see below). Curtains survived without flame or smoke penetration, and without glow or glow of flames being visible through the curtain, for 60 minutes. Smoke judged to be insignificant (by ASTM E84 procedure) was generated during the initial few minutes of the test by the burn-off of the fabric's coating and/or coating's binders.

"MODIFIED" ASTM E119 (NFPA 251) (UBC 7-1 & 43-1) Fire Endurance Test Procedures: Performed using Constant Temperatures 1700 degrees F or more in large vertical ovens, with sample bottom batten pockets weighted with a minimum of 7 pounds per linear foot, meeting or exceeding requirements of 1978 & earlier BOCA Basic Building Codes which require "Modified Procedures" 30 minute periods (see below). Curtains survived without flame or smoke penetration, and without glow, for 30 minutes. Smoke judged to be insignificant (by ASTM E84 procedure) generated during the initial few minutes of the test by the burn-off of the fabric's coating and/or coating's binders.

ASTM E84 (NFPA 255) (UBC 8-1 & 42-1) Tunnel Test Procedures: ASTM E119 (NFPA 251) (UBC 7-1 & 43-1) Fire Endurance Test Procedures: Performed for standard ten minute periods resulting in Smoke Density Index Numbers of 10 or less.

LISTING LABORATORY:

Test procedures and listing service by an approved agency (Laboratory Listing Service Company)*: Intertek Testing Services/Warnock Hersey, with offices in Pittsburg, CA, Middleton WI, Coquitlam, British Columbia (Canada), Mississauga, Ontario, Canada, LaSalle, Quebec, Canada, and other locations. (* 1991 Uniform Building Code and several other code editions require or give special consideration to Proscenium Fire Safety Curtains listed and rated by approved agency / Laboratory Listing Service Companies.

Copies of test reports available upon request.

As we cannot control circumstances and conditions under which our products are used, we cannot guarantee applicability or stability of our product to specific applications, except as detailed below. While we believe the statements made and data presented above are accurate, verification is the buyer's responsibility. Our product is sold with a limited warranty**. Buyer assumes responsibility for consequential damages and losses. Statements relative to the use of our product are not intended as recommendations to use our products in the infringement of any patents.

**LIMITED WARRANTY: We will replace or repair any fabric proven to be defective in materials or workmanship at no charge for a period of 26 months from our invoice date. If repairs are made, they will be accomplished to meet applicable code requirements. Should a problem be caused by abuse of the fabric during or after installation, we will assist in correcting the problem, but will not be liable for the costs incurred in doing so. Consequential damage and losses are the responsibility of the buyer.