科保
Forbes



FORBES
FIRE SHUTTER SYSTEM

瑞益防火

兆達國際有限公司
Joint Billion International Ltd.

SHEREX ENGINEERING LIMITED

INTRODUCTION

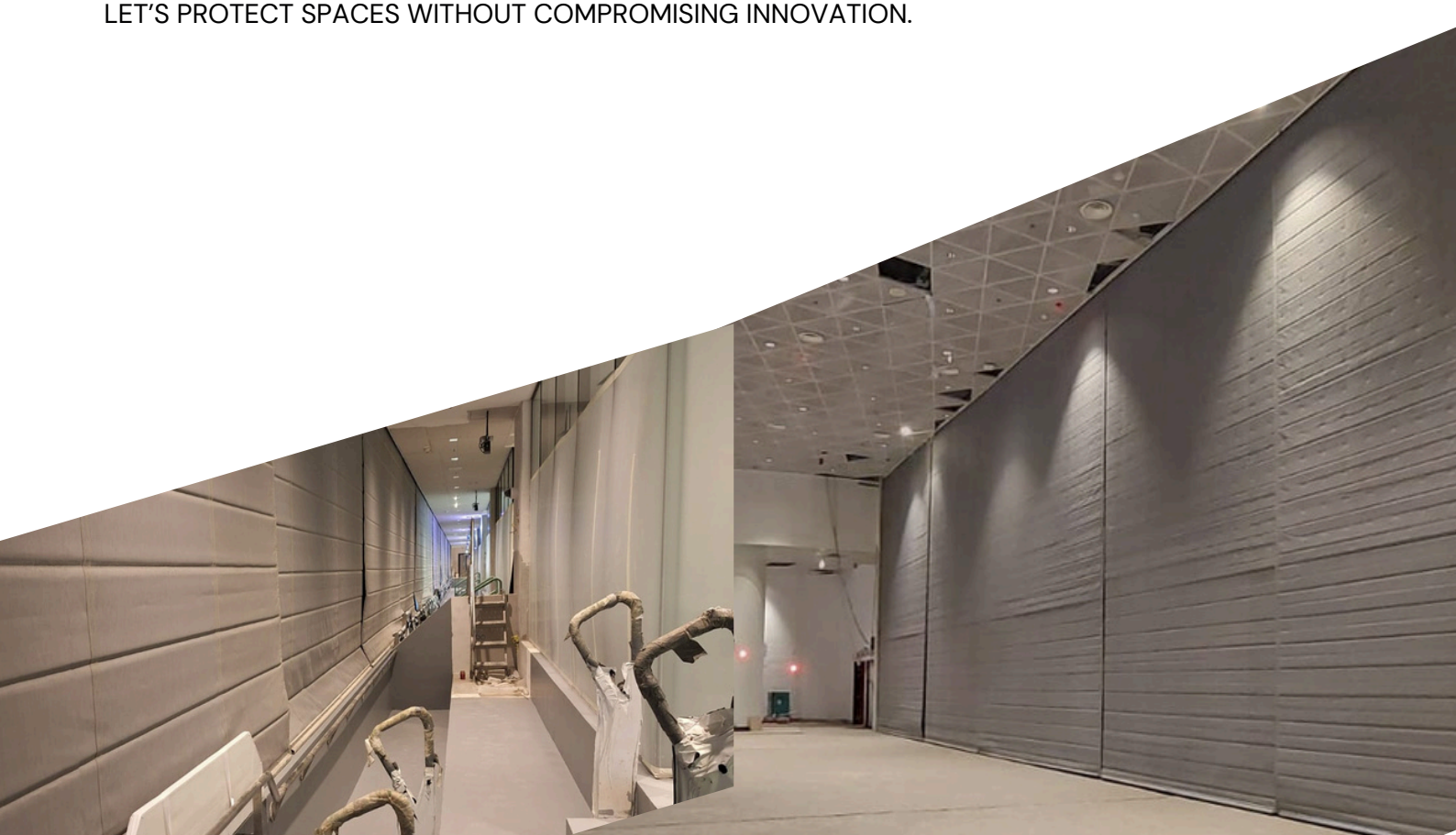
FORBES FIRE SHUTTER REPRESENTS A CUTTING-EDGE SOLUTION FOR SPACES THAT DEMAND FLEXIBILITY, AESTHETICS, AND UNCOMPROMISED FIRE RESISTANCE. DESIGNED TO BLEND SEAMLESSLY WITH CONTEMPORARY ARCHITECTURE. OUR FIRE SHUTTERS OFFER A LIGHTWEIGHT, SPACE-SAVING ALTERNATIVE TO TRADITIONAL RIGID SHUTTERS, WITHOUT SACRIFICING PERFORMANCE DURING CRITICAL MOMENTS.

OUR FIRE SHUTTERS ARE ENGINEERED USING COMPOSITE LAYERS OF FIRE-RESISTANT FIBERGLASS, SILICA-COATED FABRICS, OR CERAMIC-BASED TEXTILES, RIGOROUSLY TESTED TO WITHSTAND EXTREME TEMPERATURES, FLAMES, AND SMOKE. IDEAL FOR COMMERCIAL, INDUSTRIAL, AND RESIDENTIAL USES. THEY PROVIDE DYNAMIC COMPARTMENTALIZATION, AUTOMATICALLY DEPLOYING TO BLOCK FIRE SPREAD WHILE PRESERVING VISIBILITY, AIRFLOW, AND DESIGN INTEGRITY IN EVERYDAY USE.

OUR PRODUCTS MEET GLOBAL FIRE SAFETY STANDARDS (E.G., BS EN 1634-1, BS EN 1634-3) AND ARE BACKED BY RIGOROUS TESTING FOR DURABILITY, HEAT RESISTANCE, AND OPERATIONAL RELIABILITY. WHETHER RETROFITTING HISTORIC BUILDINGS, ENHANCING MODERN OFFICES, OR SECURING HIGH-TRAFFIC PUBLIC AREAS, OUR FABRIC SHUTTERS DELIVER DISCREET YET ROBUST PROTECTION.

BEYOND SUPERIOR MATERIALS AND ENGINEERING, WE PROVIDE TAILORED CONSULTATION TO ENSURE SEAMLESS INTEGRATION WITH YOUR BUILDING'S FIRE SAFETY STRATEGY. FROM DESIGN SPECIFICATIONS TO INSTALLATION AND MAINTENANCE, OUR TEAM SUPPORTS ARCHITECTS, CONTRACTORS, AND FACILITY MANAGERS IN ACHIEVING COMPLIANCE, EFFICIENCY, AND AESTHETIC HARMONY.

EXPLORE THIS CATALOG TO DISCOVER HOW FIRE FABRIC SHUTTERS CAN REDEFINE FIRE SAFETY FOR YOUR PROJECTS—COMBINING SLEEK DESIGN WITH LIFE-SAVING FUNCTIONALITY. TOGETHER, LET'S PROTECT SPACES WITHOUT COMPROMISING INNOVATION.



TYPE OF FIRE SHUTTER



Vertical Fire Shutter



Lateral Sliding Fire Shutter



Horizontal Sliding Fire Shutter

VERTICAL FIRE SHUTTER

- Provide fire rating up to 4 hours integrity and 4 hours insulation
- Shutter fabric is made of innovative composite fabric textured material
- Achieve smoke leakage levels Sa and S200 and tested to BS EN 1634-3 (Model: FRSG2-E240/EI240S)
- Test to BS EN 1634-1 and BS EN 13501-2 at IAS/US accredited testing laboratory (MRA laboratory of HOKLAS)
- Fulfill requirements of Code of Practice of Fire Safety in Buildings issued by Hong Kong Buildings Department
- Double-layered composite fire rated fabric layer, which is in slim size and light weight to achieve fire rating of 4 hours integrity and 4 hours insulation
- Provide the option of overlapping technique resulting in unlimited shutter span
- Insulated shutter hood providing same fire rating with the shutter body

PRODUCT PERFORMANCE

FRSG series

- **Model: FRSG2-E240/EI240**

F.R.R.: 240 Minutes Integrity, 240 Minutes Insulation (Double-layered)

- **Model: FRSG3-E240/EI30**

F.R.R.: 240 Minutes Integrity, 30 Minutes Insulation

FBS-V Series (**)

- **Model: FBS-V-240/120**

F.R.R.: 240 Minutes Integrity, 120 Minutes Insulation

- **Model: FBS-V-120/30**

F.R.R.: 120 Minutes Integrity, 30 Minutes Insulation

Additional Smoke Control Feature:
FBS-V series achieve smoke leakage levels Sa and S200 and tested to BS EN 1634-3 (Report No. IT25-028)







LATERAL SLIDING FIRE SHUTTER

- Provide fire rating up to 4 hours integrity and 4 hours insulation
- Shutter fabric is made of innovative composite fabric textured material
- Test to BS EN 1634-1 at IAS/US accredited testing laboratory (MRA laboratory of HOKLAS)
- Fulfill requirements of Code of Practice of Fire Safety in Buildings issued by Hong Kong Buildings Department
- Double-layered composite fire rated fabric layer, which is in slim size and light weight to achieve fire rating of 4 hours integrity and 4 hours insulation
- Insulated shutter hood providing same fire rating with the shutter body

PRODUCT PERFORMANCE

- **Model: FRLSG2-E240/EI240**

F.R.R.: 240 Minutes Integrity, 240 Minutes Insulation (Double-layered)

- **Model: FBS-LS-120/120**

F.R.R.: 240 Minutes Integrity, 120 Minutes Insulation

- **Model: FBS-LS-E120/EI60**

F.R.R.: 120 Minutes Integrity, 60 Minutes Insulation

- **Model: FRLS-E240/EI30**

F.R.R.: 240 Minutes Integrity, 30 Minutes Insulation





HORIZONTAL SLIDING FIRE SHUTTER

- Provide fire rating up to 4 hours integrity and 4 hours insulation
- Shutter fabric is made of innovative composite fabric textured material
- Test to BS EN 1634-1 at IAS/US accredited testing laboratory (MRA laboratory of HOKLAS)
- Fulfill requirements of Code of Practice of Fire Safety in Buildings issued by Hong Kong Buildings Department
- Insulated shutter hood providing same fire rating with the shutter body

PRODUCT PERFORMANCE

- **Model: FBS-H-E240/EI240**

F.R.R.: 240 Minutes Integrity, 240 Minutes Insulation

