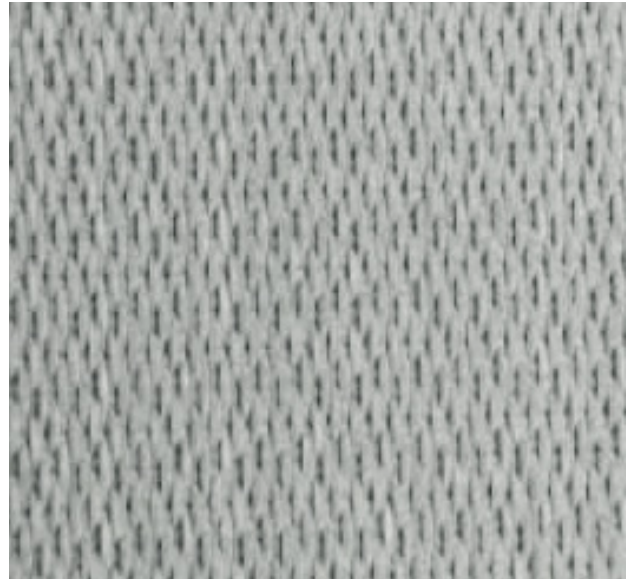# DSI **VG455 FABRIC**
## *Smoke and Fire Curtain 1-hour Option*

VG455 is a specially formulated medium-weight fiberglass fabric, coated with aluminum pigmented polyurethane on both sides of the fabric which creates a reflective heat shield and enhances durability and flexibility of the fabric. It is tested to BS 476 Pt 6 (fire propagation) and Pt 7 (surface spread of flame), ASTM E84 & UL 723.

When tested to EN 12101-1 as part of the DSI Smoke and Fire Curtain, VG455 has successfully passed Annex B (material durability cycle test), Annex C (air leakage test) and Annex D (120 minutes fire resistance). The DSI Smoke and Fire Curtain using the VG455 fabric is approved for a CE D120 label. In addition, when tested in accordance with UL 10D, at 1800F, the material achieved a 1-hour fire rating.

## Specifications

| Specifications | Data | Tolerance | Test method |
|---|---|---|---|
| Thickness | .41mm | ± 10 % | DIN ISO 4603/E |
| Base Fabric Weight | 415g/m2 | ± 5 % | DIN EN 12127 |
| Coated fabric weight | 455g/m2 | ± 10 % | DIN EN 12127 |
| Base Fabric Yarn (Warp) | EC9-136 | | DIN EN 12654 |
| Base Fabric Yarn (Weft) | EC9-136 | | DIN EN 12654 |
| Thread Count ( Wrap) | 18.6 per 1cm | ± 5 % | DIN EN 1049 |
| Thread Count ( Weft) | 11 per 1 cm | ± 5 % | DIN EN 1049 |
| Coated Fabric Tensile Strength (Wrap) | 500 N/cm | | DIN ISO 4606 |
| Coated Fabric Tensile Strength (Weft) | 450 N/cm | | DIN ISO 4606 |
| Weave | 8 Shaft Satin | | DIN ISO 4606 |

| Specifications | Description |
|---|---|
| Coated Side | Both Sides |
| Thread | Stainless Steel |
| Standard color | Grey |
| BS 476 Pt 6 & Pt 7 | Class 0 |
| EN 23501-1 | A2.s1.d0 & BG Nr. 119.112 |

**GUARANTEED QUALITY**
Door Systems guarantee high quality products, tested to both UL and BS standards.