

Technical Data Sheet (TDS)

Fire-Resistant Fiberglass Shutter Curtain

Product Description

The Fire-Resistant Fiberglass Shutter Curtain is a fabric-based fire protection material manufactured from high-strength woven fiberglass fabric. It is designed for use in fire-rated rolling shutter systems and fire curtain compartmentation, providing reliable resistance to flame, radiant heat, sparks, and high temperatures during fire emergencies.

Material Construction

- Base Fabric: Woven Fiberglass Fabric
- Fiber Type: E-glass fiberglass
- Optional Coatings: Silicone, Vermiculite, Aluminum Foil
- Optional Reinforcement: High-density weave or wire-insert fiberglass

Typical Technical Properties

Property	Typical Value
Thickness	0.6 – 1.5 mm
Weight	430 – 1200 g/m ²
Continuous Working Temperature	Up to 550–600°C
Short-Term Temperature Resistance	Up to 1000°C (with coating)
Flame Resistance	Non-combustible
Thermal Shrinkage	≤ 3%
Tensile Strength (Warp)	≥ 2000 N / 5 cm
Tensile Strength (Weft)	≥ 1800 N / 5 cm
Width	Up to 3000 mm
Color	Natural / Gray / Silver / Custom

Applications

- Fire-rated rolling shutter curtains
- Fabric fire curtain systems
- Industrial fire compartmentation
- Commercial buildings and warehouses

Storage & Handling

Store in a dry and ventilated environment. Avoid moisture and chemical exposure. Roll storage is recommended.

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