



University of Missouri (Kansas City)

Stoebich Fire & Smoke Curtain S

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Project description

The architect's approach of the 68,000 square foot building of UMKC's Henry W. Bloch Executive Hall for Entrepreneurship and Innovation was to create a vision-driven design balancing beauty and function. The high-performance integrated design is an unique model for business schools to support the dialogue and a mindset of future and innovative thinking. The defined curvature found inside the building creates a visual openness that fosters

the unique teaching methods the institution stands for. This openness is supported by a large light-filled lobby in the center. Three huge skylights are positioned to provide the maximum natural light throughout the day. The three-story building includes a 200-seat auditorium and flexible and active learning seminar rooms.



Form follows function

At the beginning of the design process, the Dean of the University remarked that the path of innovation is never a straight line. This statement was the starting point to create the curved spaces and communal flow throughout the interior. This approach, in combination with an open space concept, is only possible if the prescribed separation of fire compartments can be achieved without any visual disruptive factors. The textile fire protection curtain has offered the best solution for this project as it provides maximum possibilities when it comes to fire protection around the corner.

Product benefits

- Textile fire protection closure that follows every layout
- No visible closure in comparison to solutions with fire glazings or fire doors
- Reliable fire protection in the event of an emergency
- Minimal static loads
- Hidden solution supports the creative ideas of the planners
- Perfect integration in sophisticated architecture

Installation options

Many architectural solutions require fire compartments which runs not in perfectly straight lines. The Stoebich Fire & Smoke Curtain S creates flexible fire-proofed partitionings for these applications without any needs of supports or guide rails. Due to the reason that

the textile of the system is continuously closed, there are also no openings in the corner segments. As a result, there are no limitations of the design concept and no additional requirements for further fire protection.

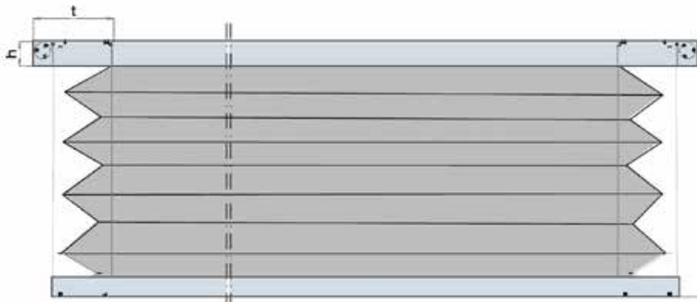


Product properties

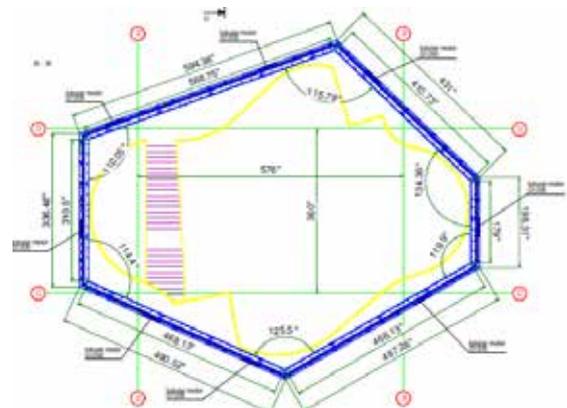
One of the decisive advantage of the Stoebich Fire & Smoke Curtain S against conventional solutions is the innovative folding technique that makes the realisation of textile corner segments possible. Here, the textile is not coiled on the winded shaft as usual.

Instead, it will be folded automatically inside the bottom bar when closing the system. Due to the precise overlapped seams, completely leakage- and gap-free corners can be achieved.

Sketches



Side view of Stoebich Fire & Smoke Curtain S



— Railing — Stoebich Fire & Smoke Curtain S

Project details

Architect: BNIM, Moore Ruble Yudell
 Contractor: JE Dunn Construction
 Engineer: Structural Engineering Associates
 Client: University of Missouri
 Location: Kansas City, MO (USA)
 Project date: 2013

Product: Stoebich Fire & Smoke Curtain S
 Installation type: Room creating textile fire protection closure which runs around the corner
 Fire rating: 2 hours
 Manufacturer: Stoebich Fire Protection