

SpecSeal® Curtain Wall Mullion Plug

SpecSeal® Curtain Wall Mullion Plug is a non-halogenated, fire-retardant foam plug laminated with a layer of intumescent foam designed to easily fit into hollow aluminum curtain wall framing members. The resilient foam plug absorbs sound, offers stability under varying environmental temperatures, while functioning as a fireblock and smoke-sealing system within the hollow aluminum framing. The Mullion Plugs may be cut into various sizes and shapes based on customer specifications and project requirements for a unique solution that fits the application parameters with tight, well-controlled tolerances improving sealing capabilities beyond field-applied, untested construction foams, upholstery foams, sealants, or expandable spray foams. SpecSeal® Curtain Wall Mullion Plugs are certified by UL as approved "Accessories for Use in for Perimeter Fire Containment Systems" (Category XHDI) and specified in multiple Intertek published design listings.

Applications

Unsealed connections between aluminum framing members provide an avenue for flames, smoke, superheated gases, and sound to travel vertically, bypassing perimeter fire containment systems installed at the edge of slab voids. The use of untested and unproven materials to fill these openings increases liability by introducing unknown performance risks, potentially compromising fire and life safety.

SpecSeal® Curtain Wall Mullion Plugs provide a UL Certified and Intertek listed solution designed to compress into open aluminum mullion ends, forming a secure seal that impedes flame, smoke, and sound transmission. Engineered for consistent, reliable performance, these plugs enhance the integrity of perimeter fire containment strategies, reducing risk and ensuring a tested, trusted approach to fire protection.

Specifications

Connections between aluminum framing members shall be sealed with a UL Certified (XHDI Category) or Intertek Listed, purpose-designed compressible fire-retardant foam plug. The sealing plug shall have a two-surface body consisting of non-halogenated, flame retardant, sound absorption foam laminated with an intumescent foam layer capable of expanding with heat a minimum of ten times. The foam plug shall provide an air leakage rating (L Rating) of <1 CFM. The foam plug shall be factory-manufactured and appropriately sized to the internal dimensions of the mullion being sealed. Prohibited Materials: No untested, field-applied sealing methods shall be permitted, including but not limited to, upholstery foams, construction foams, sealants, or expandable spray foams.

Specified Divisions

Division 7	07 84 53	Building Perimeter Firestopping
Division 8	08 44 00	Curtain Wall and Glazed Assemblies

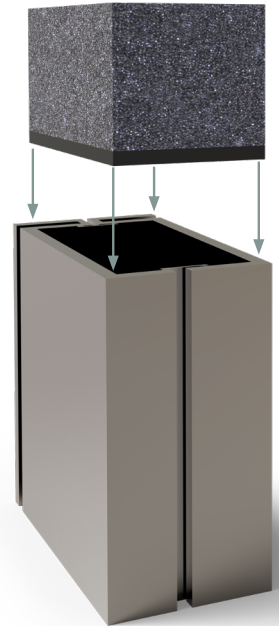
Limitations

SpecSeal® Curtain Wall Mullion Plugs are acceptable for use as a smoke sealing and sound absorbing method in open-aluminum framing connections, such as mullion stack joints. In some UL or Intertek Listings, SpecSeal® Curtain Wall Mullion Plugs are specified as optional or required, dependent on the application. The user is advised to verify in the published UL or Intertek Listings when mullion plugs are required.

Technical Service

Specified Technologies Inc. provides complimentary technical support to assist in product selection and appropriate installation design. UL or Intertek System Designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.stifirestop.com including product literature and Safety Data Sheets (SDS's).

SpecSeal®
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Features & Benefits

- Flame retardant foam meets UL 94 HF-1 (non-migrating)
- Intumescent foam layer expands 10-15 times under fire conditions
- Air leakage rated <1 CFM
- Sound absorbing
- Non-halogenated, zero VOC's
- Intertek Listed and UL Certified (XHDI)

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PHYSICAL PROPERTIES	
Color	Gray/Black
Foam Component	Flame retardant polyester polyurethane foam, UL 94 Classification HF-1
Expansion Ratio	10x to 15x
Intumescent Onset Expansion Temperature	350°F to 400°F
Density	0.1 g/cu cm (6.4 lb/cu ft)
In Service Temperature	Less than 130°F (54°C)
Shelf Life	Unlimited (when stored properly)
PERFORMANCE	
L-Rating	Less than 1 CFM
Noise Reduction Coefficient*	0.75

*Evaluated per ASTM E1050

Precautionary Information

Consult Safety Data Sheet (SDS) for additional information on the safe handling and disposal of this material.

Patents

US11299884B2; US2020263419A1

ORDERING INFORMATION					
Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
CWP2424	730573950500	24" x 24" (61 cm x 61 cm) Master Sheet	1	4	5.87 lbs (2.66 kg)

SpecSeal® Curtain Wall Mullion Plugs are generally cut to size based on a project’s requirements and design specifications. Please reach out to your Specified Technologies sales representative for more information about ordering this product.

IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.
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