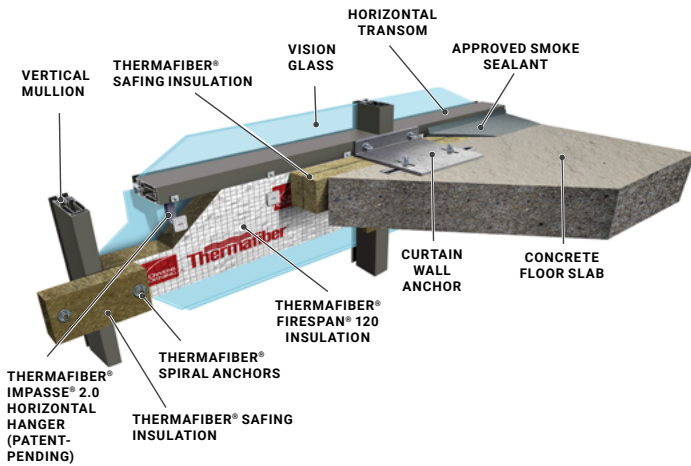




THERMAFIBER® IMPASSE® ZERO SPANDREL SYSTEM



As traditional spandrels continue to shrink or are eliminated altogether by floor-to-ceiling vision glass curtain walls designed for aesthetics, zero spandrel systems grow in popularity in the commercial building industry. Thermafiber, Inc., the pioneer in Perimeter Fire Containment Systems, introduces the Owens Corning® Thermafiber® Impasse® Zero Spandrel System as a safe solution for these challenging building designs with limited installation space. The Thermafiber® Impasse® Zero Spandrel Perimeter Fire Containment System is a patent-pending design that revolutionizes the way zero spandrel systems are built with sturdier FireSpan® 120 mineral wool insulation and innovative Impasse® 2.0 Hanger technology. This robust system eliminates the need for costly and bulky back pans, accommodates various curtain wall anchors, allows for less penetrations in the curtain wall framing, does not require a backer reinforcement member, and offers flexibility for various shadowbox designs.¹ The Thermafiber® Impasse® Zero Spandrel System is tested and listed with Intertek® Laboratories and provides up to 3 hours² of perimeter fire containment.

1 Based on comparison done with available competitive zero spandrel systems.
2 As tested to ASTM E2307. Reference Intertek® design listings: TFI/BPF 180-07 (3-hour F rating) and TFI/BPF 120-15 (2-hour F rating).

Features

- Provides up to 3 hours² of fire containment in curtain wall systems
- Patent-pending design
- Intertek® tested and listed system
- Revolutionary system, including newly designed mineral wool and hangers to streamline installation
- FireSpan® 120 insulation can be easily fabricated to fit around various types of curtain wall anchors and provides the same reinforcement characteristics as a steel back pan at a lesser cost
- System requires fewer penetrations to attach it to the curtain wall framing and does not require a backer/reinforcement bar
- Because Impasse® 2.0 Hangers are installed to the bottom of the horizontal transom, the mechanical attachment of the system does not interfere with the curtain wall anchor attachments
- Easier installation for both field and shop installed curtain walls over current available zero spandrel systems
- Does not require silicone on the underside of the transom
- Can be installed from floor above
- Thermafiber® mineral wool products in this system have a minimum of 70% recycled content³
- Contributes to credits in green building programs, such as LEED® and Green Globes®

Perimeter Fire Containment Systems

INTERTEK® APPROVED DESIGNS PER ASTM E2307






For additional job-specific details and accessory materials necessary to complete the Perimeter Fire Containment System, please refer to the Intertek® design listing.⁴

See Owens Corning publication [“Enclosure Solutions Zero Spandrel Perimeter Fire Containment System Technical Bulletin”](#) for more information.

See Owens Corning publication [“Thermafiber® Perimeter Fire Containment System Guide”](#) for more information.

4 Intertek Laboratories Designs, Fire Resistance Directory, Intertek 16015 Shady Falls Rd. Elmhurst, TX 78112

Availability

| PRODUCT | | SIZES |
|--|---|---|
| Thermafiber® FireSpan® 120 |  | 3" x 24" x 60" 36" x 60" 48" x 72" |
| Thermafiber® Safing |  | 1"-7" x 24" x 48" |
| Thermafiber® Impasse® 2.0 Horizontal Hanger ⁵ |  | 3" |
| Thermafiber® Impasse® Locking Washers |  | 1 size |
| Thermafiber® Spiral Anchor ⁶ (used with 2"-thick field-fabricated Safing) |  | 3¾" 500, 1,000 or 2,000 pieces per carton |

⁵ Hanger size = insulation thickness.

⁶ Spiral anchors should be at least 1¾" longer than the thickness of the Thermafiber® Safing mullion cover.

Thermafiber Insolutions®

Thermafiber Insolutions® offers industry-leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, and product recommendations. Contact our technical services department at 1-888-834-2371 or email ThermafiberInsolutions@owenscorning.com.



Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at www.owenscorning.com.

Certifications and Sustainable Features

- ³Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.
- For Thermafiber® products in this system: Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit ul.com/epd.
- Thermafiber® mineral wool products in this system have a published Health Product Declaration (HPD).



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Green Globes® is a registered trademark of Green Building Initiative, Inc.

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Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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