

**FIRO
BLOCK**
fire stops here

CURTAIN WALL FIRESTOP

A new benchmark
in facade fire safety

IS 18190
ASTM E2307

firoblock.com

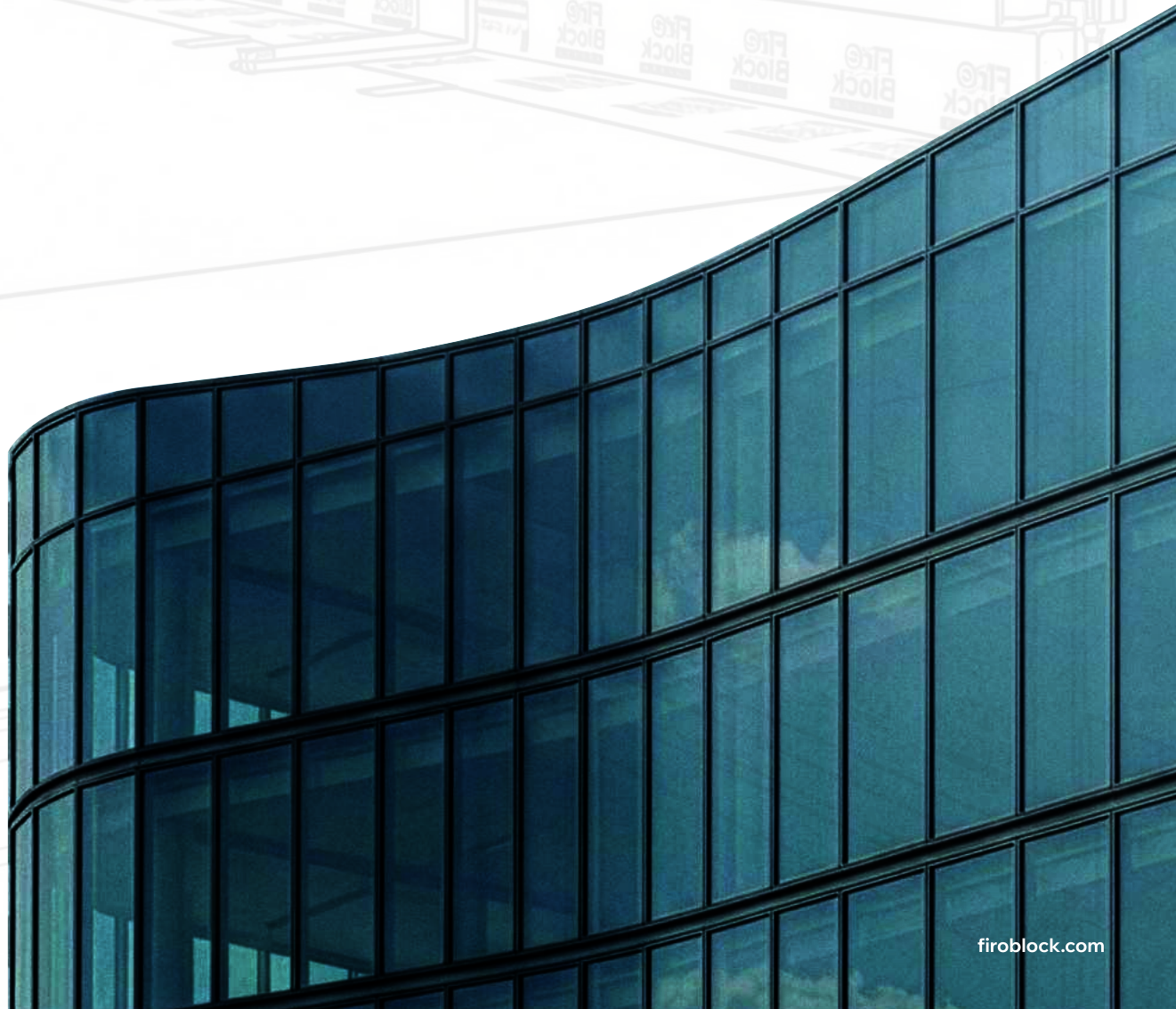
WHO WE ARE

WORLD'S FIRST
'IS 18190'
CERTIFIED

CURTAIN WALL FIRESTOP SYSTEM

FiroBlock is the new flagship fire protection brand of Super Creations Interiors & Exteriors Pvt Ltd., built on a strong legacy within India's construction industry. Since the early 2000s, Super Creations has delivered high-performance interior and exterior building solutions, consistently setting industry benchmarks for quality, execution excellence, and technical reliability.

The company is recognised for dependable project execution, and responsive service support ensuring confidence across design coordination, installation, and post-installation performance.



With over two decades of successful project delivery, Super Creations has earned the trust of India's leading developers, including Sattva, My Home, Brigade, Bagmane, Meenakshi, Raheja, and Prestige. Leveraging the two decades of industry expertise, FiroBlock was developed in close collaboration with facade consultants, fire engineers, and independent testing experts to meet the most stringent safety standards.

As a 'Made in India' initiative, backed by a world-class manufacturing facility in Hyderabad, FiroBlock is specifically engineered for curtain wall interfaces and perimeter fire containment. It is designed to navigate practical site conditions while addressing the rapidly evolving fire safety requirements of modern architecture.

WHAT IS FIROBLOCK

Precision Protection

Firestopping in curtain wall systems is a critical component of modern building safety and design integrity. The perimeter gap between the floor slab and facade can become a vulnerable point for fire and smoke spread.

A tested and certified firestop system like FiroBlock closes this gap, maintaining compartmentation in line with global standards such as IS 18190 and ASTM E2307, while ensuring safety, compliance, and long-term building resilience.



**Without
FiroBlock**



**With
FiroBlock**



120 min

F & T - Rating Performance

IS 18190

Tested rigorously as per global standards

ASTM E2307

Locally manufactured for assured and on-time supply

FiroBlock is an advanced firestop system that extends beyond protection by enhancing acoustic and thermal performance while integrating seamlessly with glass and metal facades.

By integrating our system during the early planning stages, FiroBlock paves the way for safer, more efficient, and aesthetically refined spaces.



Designed by facade & fire engineers



Tested as per ASTM E2307 & IS 18190



Engineered for efficiency, uncompromised safety



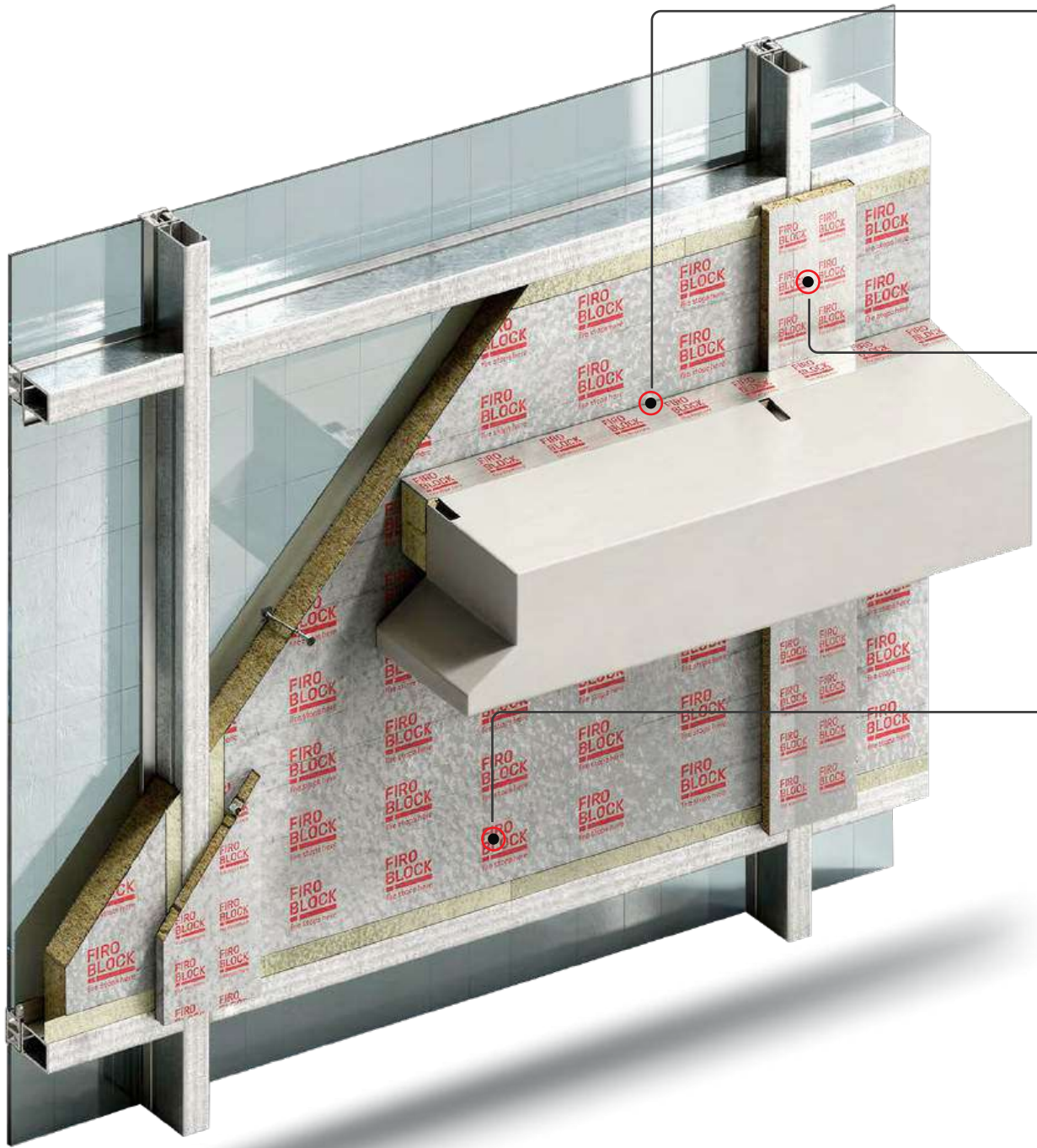
Locally manufactured for assured and on-time supply



HOW FIROBLOCK WORKS

The **FiroBlock** Perimeter Barrier System

The FiroBlock Perimeter Barrier System is an integrated, high-performance solution designed to safeguard the most vulnerable intersection of a modern building: the gap between the floor slab and the curtain wall.



The system offers a **three-tier** fire safing strategy for high-rise facades

By combining our FireStop (FS), Mullion Protection (MP), and Spandrel Protection (SP) products, FiroBlock provides a continuous fire, smoke, and thermal seal.

01

Gap Sealing FiroBlock (FS)

Maintains floor-to-floor compartmentation in gaps up to 150mm.

02

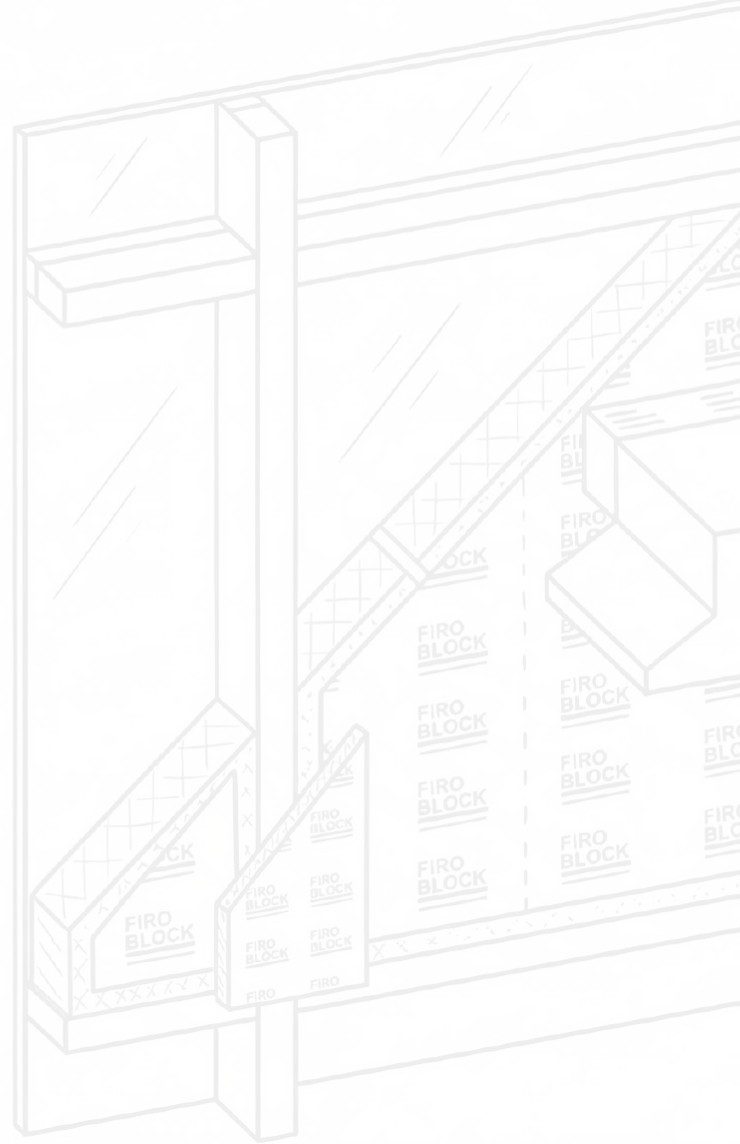
Structural Shielding FiroBlock (MP)

Protects the aluminium framework from thermal warping and collapse.

03

Spandrel Containment FiroBlock (SP)

Prevents "leapfrogging" fire spread via the spandrel zone.



FiroBlock system is engineered not only to meet stringent safety codes but also to enhance the building's acoustic integrity and energy efficiency, ensuring a safer indoor environment.

FiroBlock FS

FiroBlock FS is the heart of the FiroBlock Barrier System. It is the core element of the system, designed to seal the floor-to-facade gap and maintain fire and smoke compartmentation in curtain wall assemblies.

Engineered for precision fit and tested for 2-hours integrity, it provides reliable protection while accommodating facade movement and thermal deflection.

Application: High-performance firestop system for sealing gaps of up to 150mm between floor slabs and curtain wall facades

Design: Features a non-combustible rockwool core laminated with aluminium foil on both sides for fire and smoke resistance

Function: Maintains compartmentation by preventing vertical fire spread

Key Features

2-hour fire and smoke rating
(ASTM E2307 / IS 18190)

1.2 m x 1.10 m boards for quick and accurate installations.

Standardized B235 brackets which ensure support and ATP-120 tape ensures continuity and sealing



Specifications

Thickness (mm)	120
Void Width (mm)	Upto 150
Density	75 kg/m ³
Compression (mm)	+10%
Fire Rated for	2 hrs
Required Brackets	2 no. B235 at 600 mm centres
Certification	WTIPL-169/170

FiroBlock MP

FiroBlock MP is a high-density rockwool board designed to protect mullions in curtain wall assemblies from intense heat and fire.

It prevents heat-induced deformation that could compromise the structural integrity of mullions and connected spandrel components, reducing the risk of façade failure. The use of FiroBlock MP enhances façade resilience, fire compliance, and overall safety.

Application: Mineral wool insulation board protects mullions from heat-induced deformation

Design: The foil-faced side reflects radiant heat; the exposed side directly contacts the mullions

Function: Supports the structural safety of mullions during fire exposure

Key Features

Maintains structural safety of mullions and connected spandrel components during fire exposure.

Protects building façade with FiroBlock MP, tested in combination with FiroBlock FS and FiroBlock SP.

Provides certified fire resistance for up to 2 hours as per ASTM E2307 and IS 18190 standards.



Specifications

Thickness	30mm
Size	1000 mm x 600 mm
Density	160 kg/m ³
Colour / Finish	Brown with one side foil faced
Application	Mullion Protection
Fire rated for	2 hrs

FiroBlock SP

FiroBlock SP is a dense rockwool insulation slab designed specifically for protecting the spandrel zones in curtain wall facades.

It is applied directly to a single back pan and also provides effective thermal insulation and radiant heat reflection.

It is essential for maintaining facade integrity by preventing fire leapfrogging between floors, thus enhancing overall fire containment.

Application: Dense rockwool slab applied to a single sheet of back pan in the spandrel zone reducing overall cost

Design: Foil-faced surface provides thermal insulation and radiant heat reflection

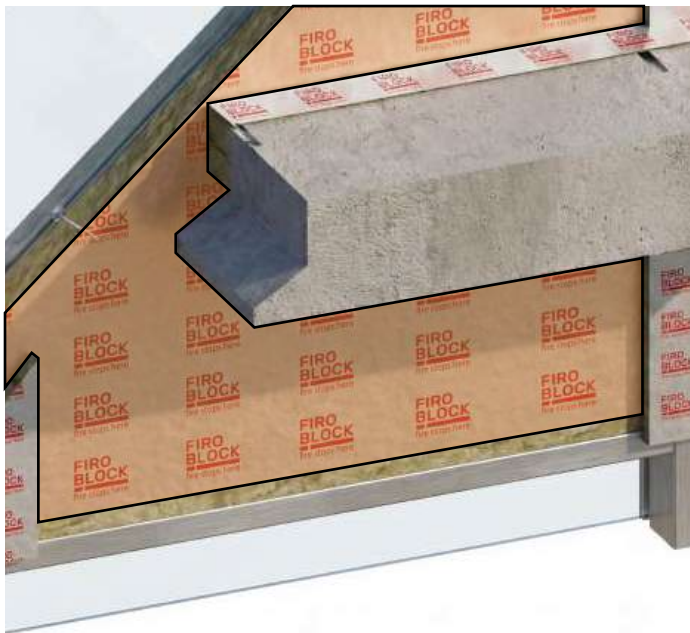
Function: Prevents vertical fire leapfrogging between floors in the curtain wall system

Key Features

Large-sized boards covering all the backpan sizes for different curtainwall designs

Applied to a single sheet of back pan for targeted spandrel zone protection which reduces overall cost.

FiroBlock SP has been rigorously tested according to ASTM E2307 and IS 18190 standards, providing up to 2 hours of certified fire protection for your building's facade.



Specifications

Thickness	50mm
Size	1200 mm x 1200 mm
Density	128 kg/m ³
Colour / Finish	Brown with one side foil faced
Application	Spandrel Protection
Fire rated for	2 hrs



WHY CHOOSE FIROBLOCK

Protection You Can Trust

With us, you gain a partner committed to excellence, backed by rigorous testing and expert support, ensuring your investment is safeguarded by a system built to perform under the most demanding conditions.

Future-Proof Your Structure

Choosing FiroBlock means embracing peace of mind through superior protection and unmatched quality tailored to meet the evolving needs of modern architecture.

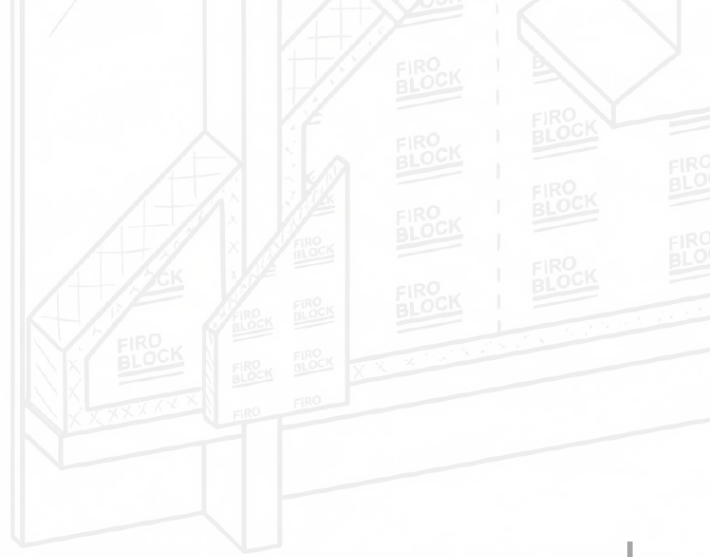
Precision-Engineered Protection

FiroBlock stands as a hallmark of excellence in facade fire protection, embodying precision engineering and uncompromising safety standards.

- ✓ Fully integrated facade fire protection system
- ✓ Tested locally, verified globally
- ✓ Quick installation with standardised boards and brackets
- ✓ Locally engineered and supplied – no import delays
- ✓ Supported by an experienced façade technical team



Installation Methodology



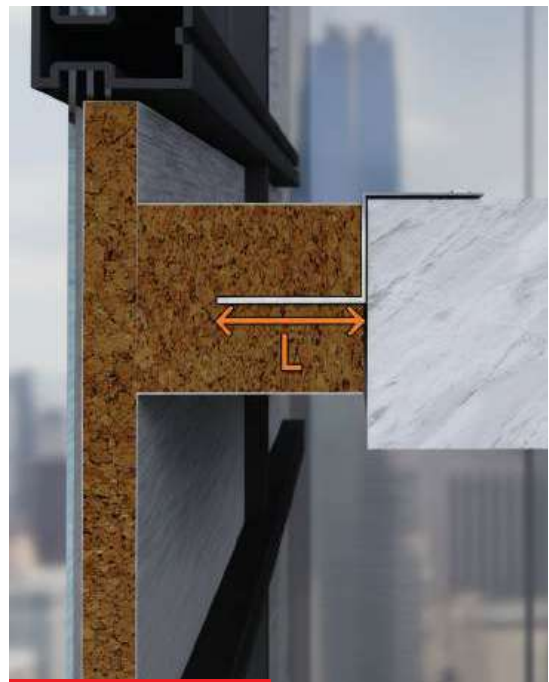
01



Sizing

Strip width = Void + 10%
(+ Deflection Allowance if applicable).

02



Fixing

Insert brackets into the rockwool core 300 mm from edges and embed 'L' \geq 75 % of void depth.

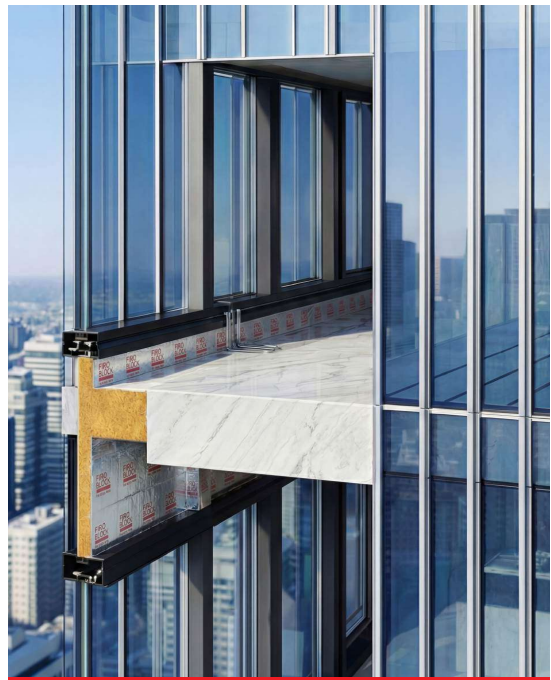
03



Sealing

Use ATP-120 aluminium tape on all butt joints and slab interfaces.

04



Completion

Achieve full compartmentalization, smoke seal, and tested 2-hour fire integrity.

Handling & Safety



01

Always wear gloves,
mask, and safety glasses

Avoid toothed saws
that may peel foil facing



02

Store indoors under
waterproof cover



03

Manufactured using
non-combustible, recyclable
materials like rockwool and
aluminium foil

Testing & Certification

120min.

FiroBlock has been tested at Winwall Technology India Pvt Ltd., an NABL-accredited laboratory, in accordance with ASTM E2307 and IS 18190

Results confirm full integrity and insulation performance in F & T-rating

TEST SUMMARY



Client Name : SUPER CREATIONS INTERIORS & EXTERIORS PVT LTD
 Client Address : Plot No 45 Mfg Mayuri Nagar, 1st floor
 Miyapur depot road, Hyderabad
 Medchal Malkajgiri - 500049

Test Report No : WTIPL-2025-170 Page No: 53
 Test of Date : 26th November 2025

Product Name : **FIROBLOCK**
 Product Description : PERIMETER FIRE BARRIER
 Standard : ASTM E2307

Fire Barrier Dimensions : 3600 mm (L) x 120 mm (H) x 150 mm (W)
 Curtainwall Dimensions : 4236 mm (W) x 5350 mm (H)
 Z Bracket : Stainless Steel - 235 mm (L), 25 mm (W), 2 mm (T)
 Make & Material : Roxul Rockwool
 Rockwool Specification : Firoblock FS - Smoke Seal (75 Kg/m³), Firoblock SP - Spandrel (128 Kg/m³), Firoblock MP - Mullion - (160Kg/m³)

Movement Type	Cycles Rate (Cpm)	Total No. of Cycles
Combined	30	100
	Followed by 10	400

F - Rating
Up to 135 minutes

T - Rating
Up to 120 minutes




Reviewed by: *Rajakumar D*
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Authorized Signatory: *Keethan Prabhu R*
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Winwall Technology India Private Limited
Laboratory Address:
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India - 601 201.

Disclaimer: The data and results given are only for the described sample submitted with Winwall Technology India Pvt Ltd.

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Reviewed by: *Rajakumar D*
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Authorized Signatory: *Keethan Prabhu R*
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Specifications may change without notice. Use strictly as per the defined methodology. For special applications, contact our technical team. Pictures used are for illustrative purposes only.

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BLOCK**
fire stops here

PIONEERS IN PASSIVE FIRE PROTECTION

PERIMETER FIRE BARRIER SYSTEM

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road, Village Anwarpur,
Pilkhuwa
Hapur, UP-245304

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Sector, Ajman

INDIA | UAE