

OUR CREATIONS

Built with Legacy. Backed by Leaders.

South Glass is more than a manufacturer — it's a brand shaped by decades of expertise and precision. With roots in Prakash Glass & Rubber Works, we've grown into a future-ready player trusted across industries.

We bring **precision, innovation,** and **scale** to every glass solution we create.

2.44 m



5 m

**Where clarity
meets character.**

ARCHITECTURE GLASSES

Glass Solutions for Modern architecture.

Tempered glasses and Super Tempered glasses
Heat-Strengthen Glasses
Heat Soak Test
Laminated

Insulated
Ceramic Printed
Bend /Curve
Frosted



PROCESS	MAX SIZE (mm)	MIN SIZE (mm)	REMARKS
<i>Cutting</i>	<i>6000 x 3210</i>	<i>300 x 300</i>	<i>Precision cutting for all glass types and sizes</i>
<i>Screen Printing</i>	<i>3210 x 2250</i>	<i>400 x 450</i>	<i>In-house screen printing with custom design capabilities</i>
<i>Tempering</i>	<i>5000 x 2440</i>	<i>300 x 300</i>	<i>Heat-treated for increased strength and safety</i>
<i>-</i>	<i>4200 x 2440</i>	<i>300 x 500</i>	<i>Flat / Curved (1000R-10000R), 5-8 mm thickness range</i>
<i>-</i>	<i>-</i>	<i>-</i>	<i>Curved (2000R-10000R), 10-12 mm thickness, critical stress testing</i>
<i>Heat-soaked Test</i>	<i>5000 x 2440</i>	<i>300 x 300</i>	<i>Reduces risk of spontaneous breakage in tempered glass</i>
<i>DGU</i>	<i>5000 x 2440</i>	<i>400 x 450</i>	<i>Available in flat and bent forms. Supports toggles, step glasses, and automatic argon filling</i>
<i>Lamination</i>	<i>5000 x 2440</i>	<i>300 x 450</i>	<i>Available in flat and bent configurations</i>

Ideal for facades, partitions, and interior or exterior glazing.

AUTOMOTIVE GLASSES

Catered towards Buses, Trucks, Earth movers, Cranes and other commercial vehicles

Laminated safety glasses

Windshields
Sunroofs/Glass roofs
Windows
De-fogging / De-icing / Heated

Available in both Bend/Curve glasses

Tempered safety glasses

Side and Rear windows
(curved or flat panels available)
Emergency Exit Windows

Built for safety and visibility



TYPE	MAX SIZE (mm)	MIN SIZE (mm)	MAX DEPTH / CURVATURE	MIN THICKNESS (mm)
TOUGHENED WINDSHIELD	1800 x 2100	490 x 1150	350 mm	5
LAMINATED WINDSHIELD	2000 x 3000 mm	450 x 450	400 mm	4.76
TOUGHENED GLASSES	2000 x 5000 mm	300 x 300	1000 R - 10000 R	4



Heated, Defogging, and De-icing Specifications

PARAMETER	SPECIFICATION
Power Density	0.1 - 1.5 Watts/square inch (1.6 - 24 W/dm ²)
Voltage	12, 24, 48, 74, 110/240, 380 V and others
Wire Thickness	16 - 44 μ m for heated windshields and backlites
Wire Spacing	1.7 - 3.0 mm for heated windshields and backlites

*Applicable to Automotive, Locomotive, Navimotive, and Bullet-resistant applications.

LOCOMOTIVE GLASSES

Engineered glazing for high-speed safety and visibility

Laminated safety glasses

Windshields

Sunroofs/Glass roofs

Side Windows

De-fogging / De-icing / Heated

Display Windows

MAX SIZE (mm)	MIN SIZE (mm)	MAX DEPTH (mm)	MIN THICKNESS (mm)
1800 x 2100	450 x 450	400	4.76 - 80

Engineered for Visibility, Thermal Insulation, and Durability during High-Speed Transit



NAVIMOTIVE GLASSES

Glass solutions built for the harshest seas

Laminated Safety Glasses

Windshields

Balustrades

Windows and Portholes

Interior Partitions

Observation Decks

Glass Floors

Skylights

Elevator Shafts

Underwater Decks / Viewing Windows

MAX SIZE (mm)	MIN SIZE (mm)	MAX DEPTH (mm)	THICKNESS RANGE (mm)
1800 x 2100	450 x 450	400	4.76 - 80

**Built to Withstand High-wind pressure
Vibration, and Extreme Weather.**



FIRE RESISTANT GLASS

PARTNERED
WITH



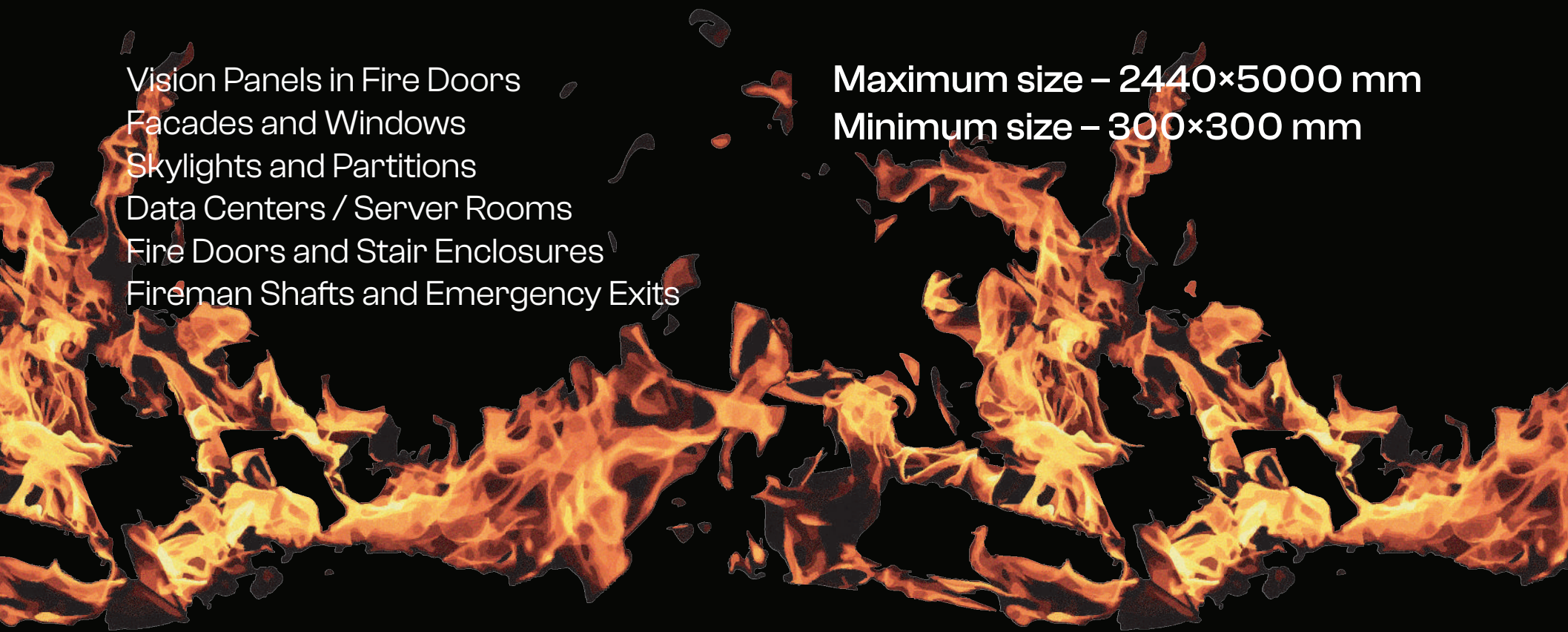
Reliable glass protection against extreme heat and flame

*Fire-rated glass developed in collaboration with UK-based Pyroguard.
Rating: Upto EW 120 (Radiation Control) and EI 20 (Insulation Control)*

*Upto EW 120 (Radiation Control), EI 20 (Insulation Control) and Certified
to EN 14449 (under Pyroguard EN)*

Vision Panels in Fire Doors
Facades and Windows
Skylights and Partitions
Data Centers / Server Rooms
Fire Doors and Stair Enclosures
Fireman Shafts and Emergency Exits

Maximum size – 2440×5000 mm
Minimum size – 300×300 mm



Available in thicknesses from **13 mm** to **100 mm**, meeting EW classifications and safety regulations



Prevents spread of flames and radiant heat, providing up to 120 minutes of protection (EW 120)

Ensures complete insulation protection for 20 minutes (EI 20)

BULLET RESISTANT GLASS

Ballistic-grade glass for uncompromised security

Certified to EN 1063 and NATO STANAG standards.

EN Ratings: BR1 to BR7

Tested against:

Handguns (.22, 9mm, .357, .44)

Rifles (5.56x45, 7.62x51, 7.62x54R)

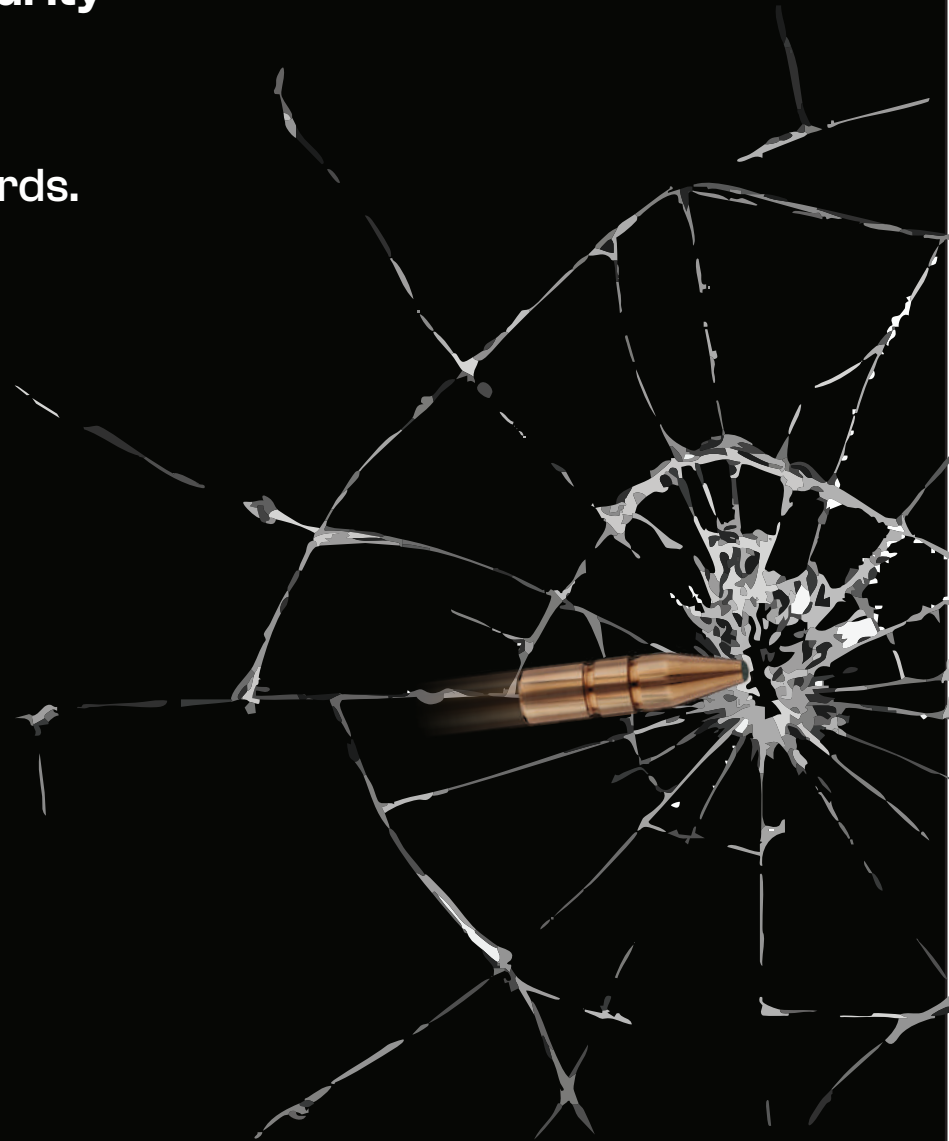
STANAG Levels 2 & 3

Offers multi-hit resistance, anti-spall performance, and optical clarity.

Maximum size – 2000×4000 mm

*Maximum size is subject to thickness

Minimum size – 100×100 mm



AVAILABLE BULLET RESISTANT GLASS RANGE

RATING	CALIBRE	BULLET MASS	TEST RANGE (m)	VELOCITY (m/s)	NO. OF STRIKES (mm)	THICKNESS	
CERTIFIED TO EN 1063 STANDARDS						SPLINTERS	NON-SPLINTERS
BR1	.22 Long Rifle	2.61+/-0.1	10+/-0.5	360+/-10	3	20	22
BR2	9mm Luger	8+/-0.1	5+/-0.5	400+/-10	3	21	24
BR3	0.357 Magnum	10.2+/-0.1	5+/-0.5	430+/-10	3	25	40
BR4	0.44 Magnum	15.6+/-0.1	5+/-0.5	440+/- 1-	3	33	43
BR5	5.56x45	4+/-0.1	10+/-0.5	950+/-10	3	35	55
BR6	7.62x51 MSC	9.5+/-0.1	10+/-0.5	830+/-10	3	40	40
BR7	7.62x51 HSC	9.8+/-0.1	10+/-0.5	820+/-10	3	65	75
CERTIFIED TO NATO STANAG STANDARDS							
STANAG LVL 2	7.62x39	8+/-0.1	10+/-0.5	700+/-15	3	50	60
STANAG LVL 3	7.62x54R	9.6+/-0.1	10+/-0.5	838+/-20	1	55	62

BLAST RESISTANT GLASS

Impact-resilient glass designed to absorb explosive forces

BLAST RESISTANT GLASS – EN 13541

Built to endure extreme blast forces
without compromise

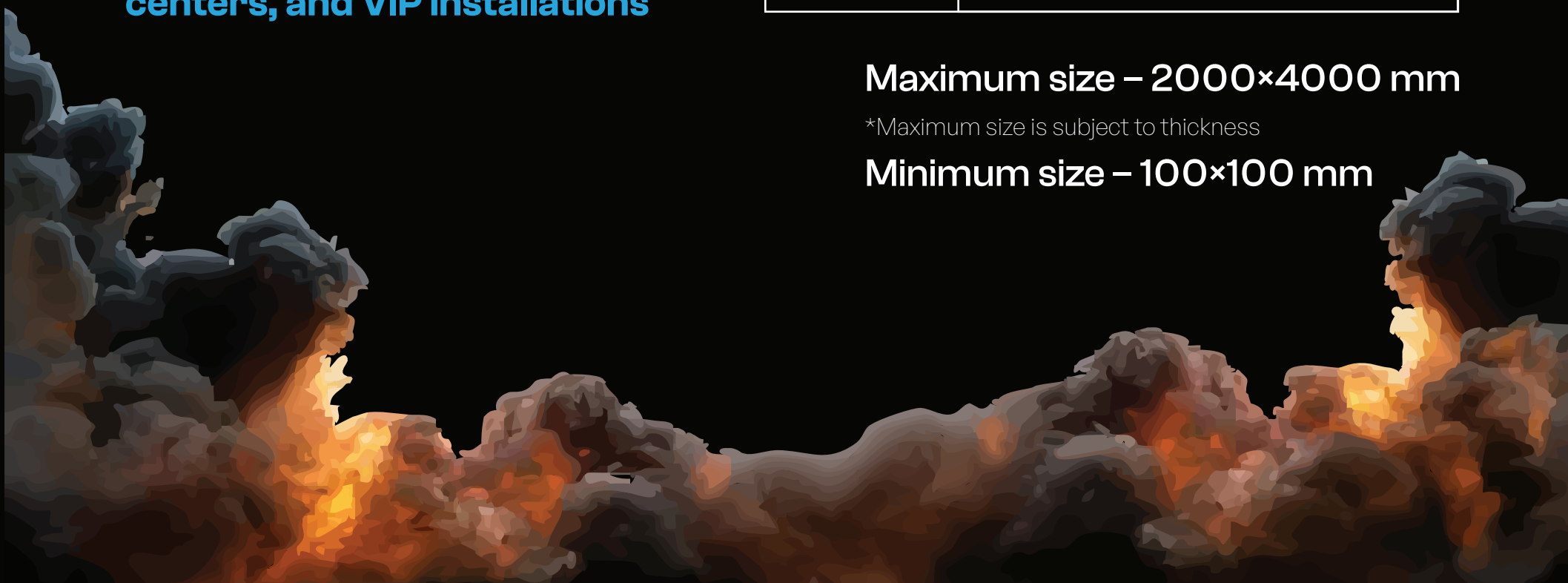
**Used in Military vehicles, Data
centers, and VIP installations**

PRODUCT	REFLECTIVE BLAST OVER PRESSURE (kPa)
ER1	50 - 100
ER2	100 - 150
ER3	150 - 200
ER4	200 - 250

Maximum size – 2000×4000 mm

*Maximum size is subject to thickness

Minimum size – 100×100 mm



BURGLAR RESISTANT GLASS

Fortified glass solutions to deter forced entry



Maximum size –
2000×4000 mm

*Maximum size is subject to thickness

Minimum size –
100×100 mm

PRODUCT	DROP HEIGHT / HITS	NO. OF STRIKES	PERFORMANCE CRITERIA
P1A	1500 mm	3	Hard body impact test conducted using a 4.11 kg steel sphere (100 mm diameter) to simulate a hammer attack
P2A	3000 mm	3	
P3A	6000 mm	3	
P4A	9000 mm	3	
P5A	9000 mm	9	
P6B	30 - 50 Hits	-	Number of axe blows required to create a hole in a 400 mm × 400 mm area
P7B	51 - 70 Hits	-	
P8B	70+ Hits	-	

Available in thicknesses from 6.76 mm to 80 mm, tailored to protection levels EN 356 P1A–P8B

**Designed for Showrooms, Museums,
Banks, and Galleries.**





South Glass™

AN ISO 9001 : 2015 CERTIFIED COMPANY

<https://southglass.in/>



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BULLET RESISTANT

AUTOMOTIVE

ARCHITECTURE

BURGLAR RESISTANT

NAVIMOTIVE

FIRE RESISTANT

BLAST RESISTANT

LOCOMOTIVE