



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. 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 size
defines character.

DEFINING SKYLINES WITH

Glass Solutions for Modern architecture.

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

Insulated
Ceramic Printed
Bend /Curve
Frosted



Bullet-resistant configurations with integrated defogging, de-icing, and heating for high-security marine applications.

SOUTH GLASS EXCELLENCE



Phoenix Business Hub

A layered glass composition crafted to elevate urban design aesthetics.



ITC Kohenur Penthouse

A landmark luxury hotel featuring South Glass façades crafted for visual elegance and premium performance.



Multi-Application DGU

50-100 mm units designed for scale, acoustic control, and energy performance.



DSR The Twins, Hyderabad

Bent glass façades enhancing elevation with symmetry and curve.



Atluri Ascend

Ceramic-printed glass panels engineered for scale and signature identity.



One Golden Mile

Curved architectural glass adding depth and visibility to the facade.

PROCESS	MAX SIZE (mm)	MIN SIZE (mm)	REMARKS
Cutting	6000 x 3210	300 x 300	Precision cutting for all glass types and sizes
Screen Printing	3660 x 1800	400 x 450	In-house screen printing with custom design capabilities
Tempering	5000 x 2440	300 x 300	Heat-treated for increased strength and safety
-	4200 x 2440	300 x 500	Flat / Curved (1000R-10000R), 5-8 mm thickness range
-	-	-	Curved (2000R-10000R), 10-12 mm thickness, critical stress testing
Heat-soaked Test	5000 x 2440	300 x 300	Reduces risk of spontaneous breakage in tempered glass
DGU	5000 x 2440	400 x 450	Available in flat and bent forms. Supports toggles, step glasses, and automatic argon filling. Available thickness up to 100 mm
Lamination	5000 x 2440	300 x 450	Available in flat and bent configurations

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

► Engineered for clarity, comfort, and enduring performance in every architectural vision.

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 WINDSHEILD	1800 x 2100	490 x 1150	350 mm	5
LAMINATED WINDSHEILD	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 - 90

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
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 - 90

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

Also available with integrated defogging, de-icing, and heated functionalities for marine environments.



MARINE VISION : NAVIGATING WITH CONFIDENCE



**Built for endurance in extreme seas
— our marine glass excels in
pressure, clarity, and scale.**



Bullet-resistant configurations available
for high-security naval applications

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 **13-19mm**, meeting
EW classifications under EN 14449



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. Also available with de-icing, defogging, and heated configurations for all-weather.

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

ENGINEERED SAFETY. ON EVERY TERRAIN.

From urban command to defense-grade mobility — our glass solutions protect where it matters most.



Toyota Fortuner (Armored)

Bullet-resistant glass solutions
engineered for VIP convoys,



Ashok Leyland Military Bus

Balanced security and utility
in motion.



Military Vehicle

Deployed across armored SUVs,
transport convoys, and other
military-grade vehicles.

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.

Available in thicknesses from
6.76 mm to 35 mm

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

Designed to absorb explosive forces without compromising structural integrity.

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 30 mm, tailored to protection levels EN 356 P1A–P8B

Designed for Showrooms, Museums, Banks, and Galleries.



BUILT TO BACK IT UP.

**All the glass you've seen?
Made possible by world-class equipment.**

OUR CORE MACHINES *that define our edge:*

- ▶ *LandGlass Cyclone Tempering Furnace*
- ▶ *HANJIANG Insulated Glass Line*
- ▶ *LNBF Autoclave*
- ▶ *Intermac CNC (x2)*
- ▶ *GoLive Double edger & seamer*
- ▶ *Hangdong Lamination Line*

*Performance starts at the source.
And our machines deliver it.*



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