



**GLASS PARTNERS**

Your Partner in Glass™

# PRODUCT BROCHURE

## **GLASS PARTNERS**

**Is a leading international glass processor with global safety and quality certifications to process glass to the highest standards. We are independent and forward thinking with one of the broadest product ranges available in Africa.**

Est. 2010

## Index

- 1) Local and International Certifications for Safety Glass and Quality Assurance Standards**
- 2) Monolithic THERMO-SAFE GP® Lam**
- 3) Monolithic THERMO-SAFE GP® TSG and Float**
- 4) THERMO-SIG GP® Clear and Neutral**
- 5) THERMO-SIG GP® Tinted**
- 6) Bespoke Residential Solutions**
- 7) Commercial, Mixed-Use, Retail and Industrial Solutions**
- 8) Splashbacks**
- 9) THERMO-SAFE GP® Mirror and Float Mirror**
- 10) THERMO-SAFE GP® Overhead and sloped glazing**
- 11) THERMO-SAFE GP® Curved glass**
- 12) THERMO-SAFE GP® Multi-lam and Tuff-Tuff Lam**



## **1) Local and International Certifications for Safety Glass and Quality Assurance Standards**

**Glass Partners' facilities are locally and internationally certified to manufacture and test Laminated Annealed Safety Glass and well as Toughened Safety Glass.**

**We follow strict ISO 9001 quality assurance standards in our Laminating facilities.**

**Our processing and toughening facilities adhere to quality assurance standards as required by the following local and international standards:**

- **SANS 1263-1:2013 Safety and Security Glazing Materials for Buildings. Part 1: Safety Performance of Glazing Materials under Human Impact**
- **BS EN 12150-1:2015+A1:2019 Glass in Building – Thermally Toughened Soda Lime Silicate Safety Glass – Part 1: Definition and Description.**
- **BS EN 12150-2:2004 Glass in Building – Thermally Toughened Soda Lime Silicate Safety Glass – Part 2: Evaluation of Conformity/Product Standard**
- **BS EN 12600-1:2002 Glass in Building – Pendulum Test – Impact test method and classification for flat glass.**
- **ANSI Z97.1-2015 American National Standard for Safety glazing materials used in buildings-safety performance specifications and methods of test.**
- **SANS 1193:2019 Toughened Safety Glass for Vehicles**

**Performance data  
sheet - Annealed  
Laminated Safety  
Glass**



Glass Partners [www.glasspartners.co.za](http://www.glasspartners.co.za) 011-473-1487

	Visible Light		Solar Energy					U-value	Acoustic Properties	UV Protection
	Transmission	Reflection Out	Reflection	Absorption	Transmission	Total Heat Elimination	SHGC	Centre of Glass W/m <sup>2</sup> .K	Centre of Glass (Rw)	Centre of Glass
	(%)	(%)	(%)	(%)	(%)	(%)	Factor	Factor	dB	TdW-ISO
<b>SINGLE GLAZE - ANNEALED LAMINATED SAFETY GLASS</b>										
6.38mm Thermo-Safe GP® Clear	88	8	7	19	74	20	0.80	5.77	33	65%
6.38mm Thermo-Sun GP® Clear Low E	83	10	9	24	66	29	0.71	3.65	33	58%
6.38mm Thermo-Sun GP® Grey	41	5	5	47	48	38	0.62	5.76	33	32%
6.38mm Thermo-Sun GP® Grey Low E	38	6	7	52	42	48	0.52	3.65	33	29%
6.38mm Thermo-Sun GP® N60E Low E	60	10	9	44	47	45	0.55	3.67	33	43%
6.38mm Thermo-Sun GP® SV Neutral HL	47	12	11	50	39	46	0.54	5.76	33	35%
6.38mm Thermo-Sun GP® SV Neutral HL Low E	43	14	12	56	32	57	0.43	3.69	33	31%
6.38mm Thermo-Sun GP® 10 Silver	11	43	38	53	9	75	0.25	5.80	33	8%
6.38mm Thermo-Sun GP® 10 Silver Low E	9	39	35	58	7	81	0.19	3.69	33	7%
6.38mm Thermo-Sun GP® 10 Grey	6	13	18	75	7	69	0.31	5.80	33	5%
6.38mm Thermo-Sun GP® 10 Grey Low E	5	14	20	75	5	80	0.20	3.69	33	4%




**Performance data  
sheet - Monolithic  
Float and toughened  
safety glass**



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	Visible Light		Solar Energy					U-value	Acoustic Properties	UV Protection
	Transmission	Reflection Out	Reflection	Absorption	Transmission	Total Heat Elimination	SHGC	Centre of Glass W/m <sup>2</sup> .K	Centre of Glass (Rw)	Centre of Glass
	(%)	(%)	(%)	(%)	(%)	(%)	Factor	Factor	dB	TdW-ISO
<b>SINGLE GLAZE - FLOAT &amp; TOUGHENED SAFETY GLASS</b>										
6mm Thermo-Safe GP® Clear Low E	82	10	11	18	71	25	0.75	3.69	29	73%
6mm Thermo-Sun GP® EA Clear	67	25	19	23	58	37	0.63	3.69	29	53%
6mm Thermo-Sun GP® SE Clear	69	9	10	38	52	40	0.60	4.09	29	63%
6mm Thermo-Sun GP® SEP Clear	60	8	7	49	44	47	0.53	3.69	29	57%
6mm Thermo-Sun GP® EA Grey	32	10	8	63	29	58	0.42	3.69	29	25%
6mm Thermo-Sun GP® SE Grey	33	5	6	67	29	59	0.41	4.09	29	30%
6mm Thermo-Sun GP® SE+ Grey	24	5	5	76	19	66	0.34	3.69	29	23%
6mm Thermo-Sun GP® SP Metal Grey	17	16	22	69	8	79	0.21	3.60	29	13%

Performance data sheet - Sealed Insulated Glass Units						Glass Partners <a href="http://www.glasspartners.co.za">www.glasspartners.co.za</a> 011-473-1487					
THERMO-SIG GP® with 12mm Air Gap		Visible Light		Solar Energy					U-value	Acoustic Properties	UV Protection
		Transmission	Reflection Out	Reflection	Absorption	Transmission	Total Heat Elimination	SHGC	Centre of Glass W/m².K	Centre of Glass (Rw)	Centre of Glass
		(%)	(%)	(%)	(%)	(%)	(%)	Factor	Factor	dB	TdW-ISO
UNIT	Description										
Thermo-SIG GP® HP1 Clear LE	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	73	15	14	28	56	34	0.66	1.90	36.1	62%
Thermo-SIG GP® HP2 Clear LE	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	68	17	16	30	54	35	0.65	1.77	36	56%
Thermo-SIG GP® HP2 Plus Clear LE	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	68	17	16	30	54	35	0.65	1.49	36.4	56%
Thermo-SIG GP® HP3 Clear LE	TSG clear glass unit, high VLT, medium-low reflection, high thermal insulation	61	20	18	30	52	43	0.57	1.10	39.7	48%
Thermo-SIG GP® HPC1 Neutral	TSG neutral glass unit, solar reflection, high VLT, medium reflection, good thermal insulation	46	19	18	45	37	52	0.48	2.70	36	41%
Thermo-SIG GP® HPC1 NLE	TSG neutral glass unit, solar reflection, high VLT, medium reflection, high thermal insulation	42	20	19	47	34	56	0.44	1.90	36	37%
Thermo-SIG GP® HPC2 Clear	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	62	13	12	46	42	48	0.52	2.08	36	54%
Thermo-SIG GP® HPC3 Clear	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	61	29	21	31	48	44	0.56	1.98	36	48%
Thermo-SIG GP® HPC4 Clear	TSG clear glass unit, solar reflection, high VLT, medium-low reflection, high thermal insulation	54	11	9	55	36	55	0.45	1.90	36	49%

**Performance data  
sheet - Sealed  
Insulated Glass Units**



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THERMO-SIG GP® with 12mm Air Gap		Visible Light		Solar Energy					U-value	Acoustic Properties	UV Protection
		Transmission	Reflection Out	Reflection	Absorption	Transmission	Total Heat Elimination	SHGC	Centre of Glass W/m².K	Centre of Glass (Rw)	Centre of Glass
		(%)	(%)	(%)	(%)	(%)	(%)	Factor	Factor	dB	TdW-ISO
UNIT	Description										
Thermo-SIG GP® HPT1 Grey A	TSG Grey tinted glass, medium VLT, low visual reflection, medium-high solar reflection, medium-high thermal insulation	30	6	7	70	23	67	0.33	2.09	36	26%
Thermo-SIG GP® HPT2 Grey	TSG Grey tinted glass, medium VLT, low visual reflection, medium-high solar reflection, high thermal insulation	29	11	9	67	24	66	0.34	1.97	36	23%
Thermo-SIG GP® HPT3 Grey P	TSG Grey tinted glass, medium VLT, low visual reflection, high solar reflection, high thermal insulation	21	6	6	78	16	74	0.26	1.91	36	21%
Thermo-SIG GP® HPT4 Grey G	TSG Clear glass with a deep neutral pyrolytic coating, medium VLT, medium visual reflection, ultra-high solar reflection, high thermal insulation	15	15	23	70	7	85	0.15	1.88	36	11%
Thermo-SIG GP® HPTL1 Grey XP	Laminated Annealed Grey tinted glass, medium-high VLT, medium visual reflection, medium solar reflection, high thermal insulation	54	13	11	51	38	53	0.47	1.90	36.3	38%
Thermo-SIG GP® HPTL2 Grey S	Laminated Annealed Grey tinted glass unit, medium-high VLT, medium visual reflection, medium solar reflection, medium-high thermal insulation	42	13	13	56	31	57	0.43	2.69	36.3	31%

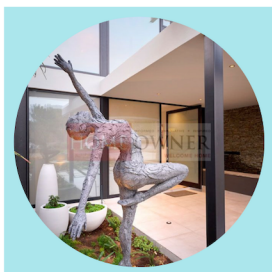
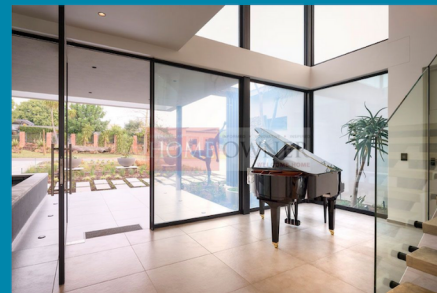


**GLASS PARTNERS**

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## BESPOKE RESIDENTIAL GLASS SOLUTIONS

Windows  
Doors  
Shopfronts  
Internal



# MAKE YOUR HOME BEAUTIFUL AND MODERN WITH GLASS

Glass Partners offers a complete range of glass products ideal for a fresh, modern and sophisticated look for your home.

- Switch glass gives you the freedom to choose when you require privacy and when you want to soak in the stunning views of nature around you. Simply flip a switch to change your world view.
- Glass balustrades are sleek and modern, extending your space to the maximum while providing you with safety.
- Choose between high performance single or double glaze units to give you the comfort you need in your home regardless what the weather is up to.
- Choose from the widest range of decorative glass options including splashbacks, silver mirror, tinted mirror and antique mirror to give your home a truly unique unmatched look.

Established in 2010, Glass Partners is one of the largest glass companies in Southern Africa. Our production facilities stock, process and distribute a comprehensive and diversified product range.



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**COMMERCIAL  
MIXED USE  
RESIDENTIAL  
INDUSTRIAL**



## PRODUCTS

- Facades
- Shopfronts
- Double Glazed Units
- Skylights
- Balustrades
- Bolted assembly
- Interior glass solutions
- Lift shaft glass

## SERVICES

- Rational design
- Energy Efficiency performance data
- SANS 10400 N compliance
- SANS 10400 XA compliance



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## KITCHEN AND BATHROOM SPLASHBACKS

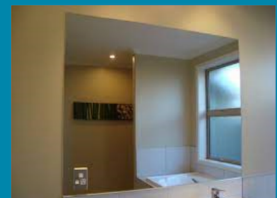
Explore the unlimited possibilities of painted safety glass. Bespoke solutions are custom made to your specifications for a truly unique finish.



FLAT EDGE POLISH



SHAPE BEVEL



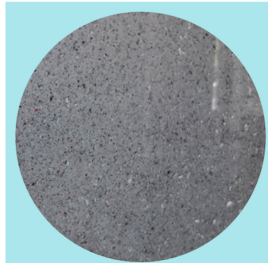
CUT-OUTS



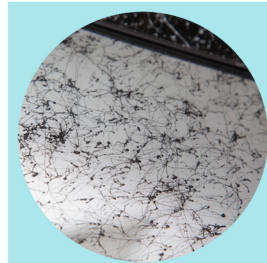
WIDE RANGE OF COLOURS



METALLIC FINISHES



GRANITE FINISHES



MARBLE FINISHES



GLITTER

## ABOUT US!

Glass Partners is an independent forward thinking building glass company which stocks, processes and distributes a diversified product range throughout Southern Africa.

Established in 2010, Glass Partners is one of the largest glass companies in Southern Africa. Our production facilities stock, process and distribute a comprehensive and diversified product range.

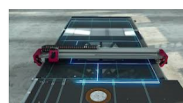
## OUR SERVICE TO YOU



We only purchase glass from reputable local and global suppliers assuring you of the best quality products.



Painted toughened safety glass provides a flexible and unlimited creative possibilities for kitchens, bathrooms and displays.



Accurate cutting, polishing and drilling of glass to your specification.



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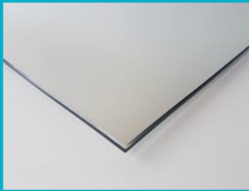


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## MIRROR AND SAFETY MIRROR

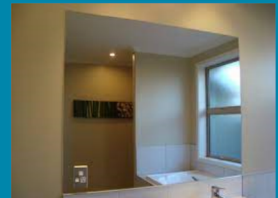
We stock the widest range of  
SILVER MIRROR  
TINTED MIRROR  
ANTIQUÉ MIRROR



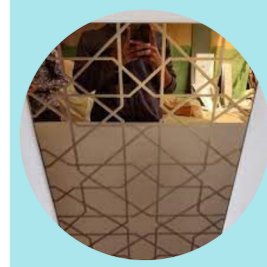
FLAT EDGE POLISH



SHAPE BEVEL



CUT-OUTS



## ABOUT US!

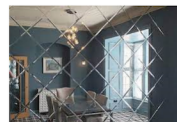
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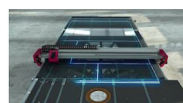
## OUR SERVICE TO YOU



We only purchase glass from reputable local and global suppliers assuring you of the best quality products.



We offer precision beveling on flat edge as well as shape bevel mirrors.



Accurate cutting, polishing and drilling of mirrors to your specification.



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## OVERHEAD AND SLOPED GLAZING



### APPLICATIONS

- Skylights
- Roofs
- Pergola
- Solarium
- Greenhouse
- Conservancy
- Patio Cover
- Awnings

### BENEFITS

- Natural light
- High impact resistance
- Protection against harmful UV
- Enjoy the 'outside' regardless the weather

### MAKE-UPS

- Annealed Laminated Safety Glass
- Toughened Laminated Safety Glass
- Double Glazed Units



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## CURVED GLASS

STRONG  
VERSATILE  
BEAUTIFUL



### APPLICATIONS

- Balustrades
- Showers
- Facades
- Shopfronts
- Skylights
- Revolving doors
- Solarium
- Display cabinets
- Double Glazed Units

### WHAT WE CURVE

- Squares
- Rectangles
- Parallelograms
- Irregular Quadrilaterals
- Triangle
- Diameter
- Trapeziums
- Kites
- Rombus



### BENEFITS

- Increased load resistance due to the curvature
- Decreased deflection of glass
- Offers structural integrity
- Enhanced building aesthetics
- Increased light transmission from the building corners
- Modern design
- Available in different thicknesses
- Available in clear, tinted and coated glass

### SIZES AND DIMENSIONS

- 5mm up to 15mm
- Minimum size: 200mm x 500mm
- Maximum size: 2200mm x 3000mm
- Radius: 450mm to 1800mm



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## MULTI-LAM

STRONG  
FUNCTIONAL  
UNIQUE



### APPLICATIONS

- Glass floors
- Glass stairs
- Rim flow pools
- Aqua viewing panels
- Glass bridge
- Koi ponds

### MAKE-UPS

- Annealed
- Toughened
- Clear glass
- Tint glass



### BENEFITS

- Unique
- Strong
- Durable
- Safe
- Functional

### INTERLAYER TYPES

- PVB
- EVA
- SGP/Ionoplast



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