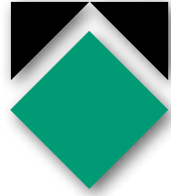
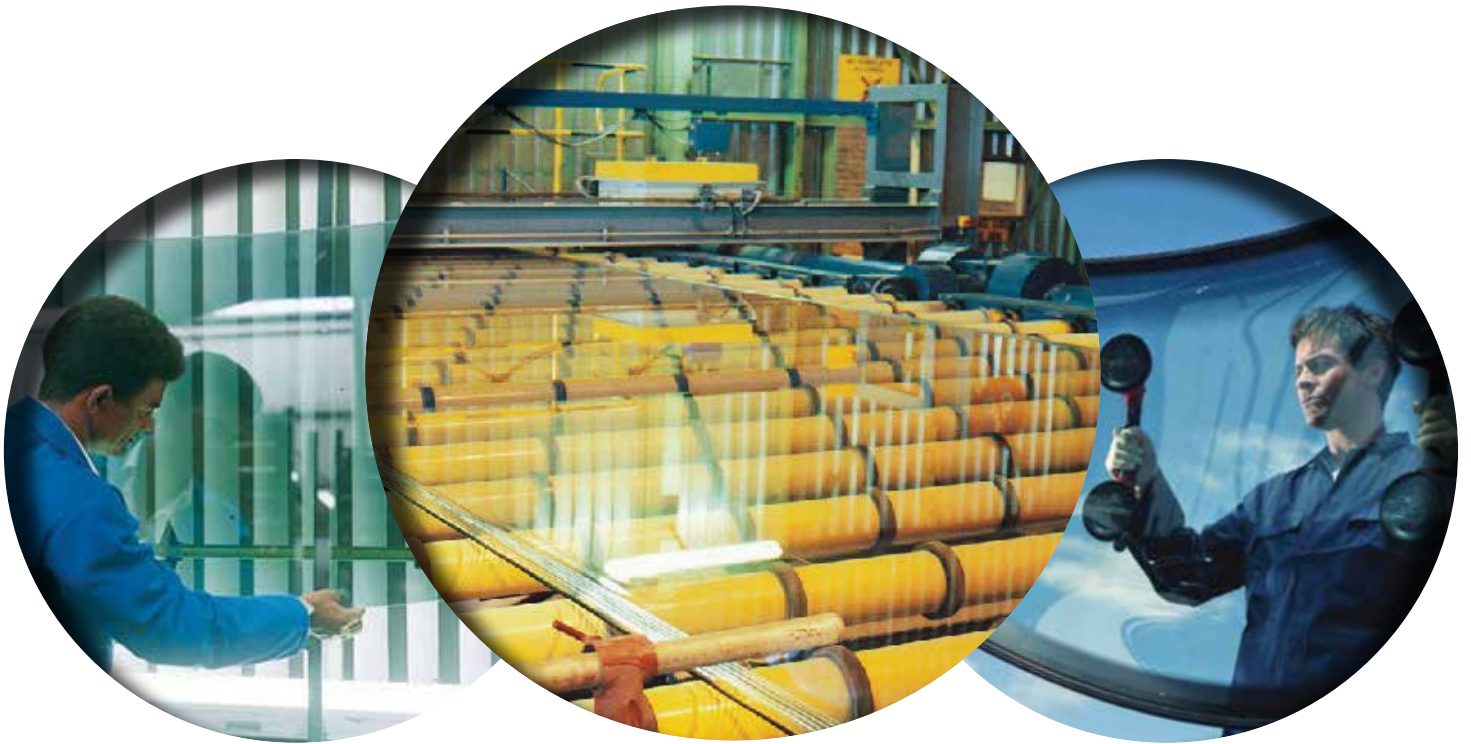


PFG



Automotive

HIGH QUALITY AUTOMOTIVE GLASS SOLUTIONS



www.pfg.co.za



PFG Automotive Glass

Quality | Efficiency | Performance

PFG manufactures (OE) Original Equipment, and (ARG) Automotive Replacement Glass to the highest quality, as required by the automotive industry and to accepted international standards.

PFG's automotive glass is available in clear and green tints, ASG I and ASG II. The glass is manufactured in stock sheets and various cut sizes, as agreed between PFG and individual customers. PFG offers a choice of standard thicknesses. Alternative thicknesses and colours can be

manufactured to customer requirements and specifications depending on volumes. PFG can work with you to customise your requirements.

Our glass is supplied to OEM automotive glass processors both nationally and internationally. The automotive glass is packed and loaded to proven configurations, thereby securing ease of transport and off-loading from containers or trucks.



PFG'S AUTOMOTIVE GLASS STANDARD THICKNESSES

The following thicknesses are offered, with specific tolerances:

| Nominal thickness | Upper and lower limits (mm) | | |
|-------------------|-----------------------------|-------------|-------------|
| | Clear | ASG I | ASG II |
| 1.8 mm | 1.75 – 1.85 | 1.75 – 1.85 | |
| 2.0 mm | 1.95 – 2.10 | 1.95 – 2.10 | 1.95 – 2.10 |
| 2.5 mm | 2.45 – 2.55 | 2.45 – 2.55 | 2.45 – 2.55 |
| 3.0 mm | 2.80 – 3.00 | | |
| 3.2 mm | 3.10 – 3.25 | 3.10 – 3.25 | 3.10 – 3.25 |
| 3.5 mm | 3.45 – 3.55 | 3.45 – 3.55 | 3.45 – 3.55 |
| 4.0 mm | | 3.80 – 4.00 | 3.80 – 4.00 |
| 5.0 mm | | 4.80 – 5.00 | 4.80 – 5.00 |

Colour properties and light transmission:

| | Thickness (mm) | % Light transmission | | | Colour data (D65/2°) | | | Colour data (D65/10°) | | | %TUV | %TE |
|------------------|----------------|----------------------|--------|---------|----------------------|------|-------|-----------------------|------|-------|--------------------------|---------------------------|
| | | A/2° | D65/2° | D65/10° | L* | a* | b* | L* | a* | b* | ISO9050 (2003) 300-380nm | ISO9050 (2003) 300-2500nm |
| ASG I | 1.80 | 85.0 | 85.7 | 85.7 | 94.2 | -3.2 | 0.6 | 94.2 | -2.9 | 0.7 | 45.0 | 70.0 |
| | 2.00 | 84.5 | 85.2 | 85.2 | 94.0 | -3.4 | 0.6 | 94.0 | -3.1 | 0.7 | 43.7 | 68.7 |
| | 2.30 | 83.5 | 84.3 | 84.3 | 93.6 | -3.8 | 0.6 | 93.6 | -3.5 | 0.7 | 41.0 | 66.0 |
| | 2.50 | 83.0 | 84.0 | 84.0 | 93.4 | -4.1 | 0.6 | 93.4 | -3.8 | 0.7 | 39.5 | 64.5 |
| | 3.20 | 80.2 | 81.2 | 81.2 | 92.3 | -5.3 | 0.7 | 92.4 | -4.9 | 0.8 | 35.0 | 59.0 |
| | 3.85 | 78.0 | 79.3 | 79.3 | 91.5 | -6.2 | 0.9 | 91.5 | -5.8 | 1.0 | 31.0 | 54.5 |
| | 4.85 | 74.5 | 76.2 | 76.2 | 89.9 | -7.9 | 1.0 | 89.9 | -7.4 | 1.1 | 26.0 | 48.5 |
| Tolerance | | ± 1.5 | ± 1.5 | ± 1.5 | ± 1 | ± 1 | ± 0.5 | ± 1 | ± 1 | ± 0.5 | ± 2 | ± 2 |
| ASG II | 2.00 | 83.0 | 83.9 | 83.9 | 93.4 | -3.9 | 0.7 | 93.4 | -3.6 | 0.9 | 40.5 | 66.0 |
| | 2.50 | 81.8 | 82.2 | 82.2 | 92.6 | -4.5 | 0.8 | 92.6 | -4.2 | 1.0 | 37.0 | 62.5 |
| | 3.20 | 78.7 | 80.0 | 80.0 | 91.5 | -5.9 | 0.9 | 91.5 | -5.5 | 1.2 | 31.5 | 56.5 |
| | 3.50 | 77.6 | 79.0 | 79.0 | 91.2 | -6.5 | 1.0 | 91.2 | -6.0 | 1.3 | 29.0 | 54.0 |
| | 3.85 | 76.5 | 78.0 | 78.0 | 90.6 | -7.0 | 1.1 | 90.6 | -6.5 | 1.4 | 27.0 | 51.5 |
| | 4.85 | 72.5 | 74.5 | 74.6 | 89.1 | -8.6 | 1.4 | 89.1 | -8.0 | 1.8 | 22.0 | 45.5 |
| Tolerance | | ± 1.5 | ± 1.5 | ± 1.5 | ± 1 | ± 1 | ± 0.5 | ± 1 | ± 1 | ± 0.5 | ± 2 | ± 2 |

Other colours are available on request – subject to conditions.

PFG's automotive glass is available in clear and green tint.





Original equipment glass | Automotive replacement glass



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