



PRESSGLASS

LEADING IN EUROPE

CURVED TOUGHENED GLASS

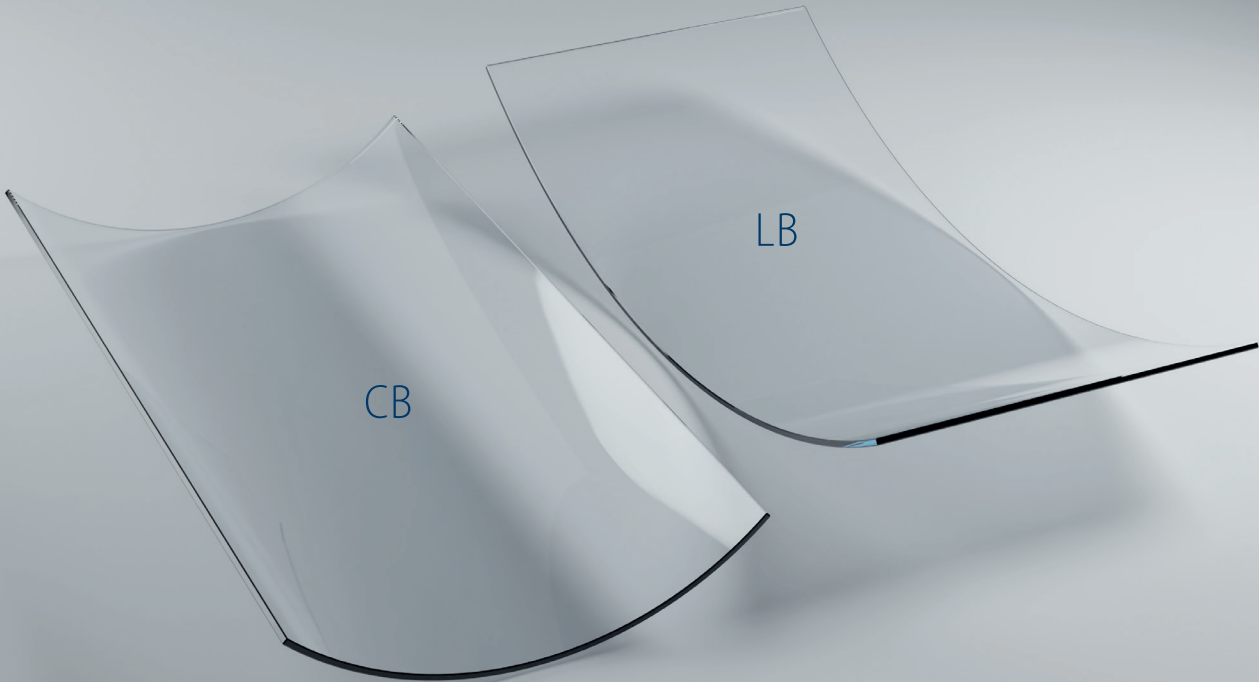
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CURVED TOUGHENED GLASS

Building glass is mainly associated with flat surfaces for façades, partition walls and other interior design elements. However, thanks to bending technology, it may also have a completely different form, making it three-dimensional.

Press Glass, in response to new trends in building design, offers cylindrically curved glass and 3D curved glass, providing a comprehensive response to the current needs of modern interior and façade architecture.

GLASS BENDING DIRECTION:



CB – glass bending along the short edge

LB – glass bending along the long edge

MARKET OFFER

Press Glass offers cylindrical curved glass: monolithic & laminated single glazed and monolithic & laminated IGU's based on float, tinted and coated glass, including triple silver advanced solar control.

To make the product more attractive and to extend the range of application, curved glass can also be screen printed or digitally printed, to standard patterns or bespoke designs.

The ETA (European Technical Assessment) issued for Press Glass certifies that it is now the only company in Europe authorised to issue a declaration of performance for cylindrically curved toughened and laminated glass in accordance with the Construction Products Regulation (CPR). This unique achievement allows PRESS GLASS to stamp its curved products and paperwork with the European CE mark for this group of products, confirming both their high quality and their compliance with the highest safety standards.



Type of bending	Glass thickness [mm]	Minimum dimension [mm]	Maximum dimension [mm]	Minimum bend radius [mm]
CB	6 - 8	750 x 750	2400* x 4200	1500
	10		2400* x 4200	3000
	12 - 15		2400* x 4200	4000
LB	5	500* x 200	3600* x 2200	2500
	6 - 10		4200* x 2400	2500
	12 - 15		4200* x 2400	4000

* arc length

THE OFFER OF CURVED TOUGHENED GLASS INCLUDES:

- monolithic and laminated glass as well as double and triple glazed units,
- rectangular glass, catalogue shapes and CAD CAM shapes,
- glass with ground, polished and bevelled edges,
- glass with drill holes and cut outs / notches,
- printed glass (digital print, screen print, full enamel coating)*.

*enamel and coating only on the concave side

APPLICATION

Curved toughened glass is always produced to individual order, which is verified for technical / production feasibility. Curved glass offered by PRESS GLASS can be used in:

- **FACADES:** as glazing to the external envelope of the building, skylights, doors, structural balustrading and balustrading infills including balconies and stairwells.
- **INTERIOR GLAZING:** framed and structural partition walls, doors, stairwells, glass furniture and decoration.

ADVANTAGES:

- increases the visual attractiveness of the building facade,
- modern and elegant design,
- allows the creation of non-standard forms, increases design possibilities.

Thanks to the toughening process, it gains all advantages of toughened glass, i.e.:

- greater mechanical strength,
- resistance to thermal shock breakage,
- safety glass classification,
- safe breakage characteristic.



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