



PRESSGLASS

LEADING IN EUROPE



PREMIUM TOUGHENED GLASS

WITHOUT IMAGE DISTORTION

www.pressglass.com

TOUGHENED GLASS PREMIUM

With innovative production technology
Roller waves effect was eliminated

Until now, an inevitable element of the glass toughening process was an undulation in the glass as well called 'roller waves' that distorted the image reflected in façades. This distortion was reduced by directional toughening, enabling an increased level of regularity and improving the visual effect. However, this problem has now been completely solved with a new type of toughened glass, **PREMIUM TOUGHENED GLASS**.

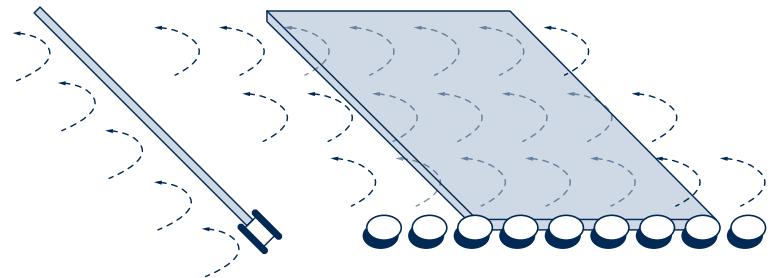


ADVANTAGES OF PREMIUM TOUGHENED GLASS

- no visible waviness due to the rolls or other local image distortions
- screen printing possible on the solar control coated glass, on the side without a coating
- heat treatment possible from thicknesses of 2.30 mm

HOW IS PREMIUM TOUGHENED GLASS MADE

Toughened glass traditionally had local distortions formed during relocation of glass by the rolls used during hardening in the furnace. **PREMIUM TOUGHENED GLASS technology involves replacing the rolls with an air bag**, on which the glass panel is placed at an angle, while the rolls only touch the panel along one side. The flatness of **PREMIUM TOUGHENED GLASS** glass is in fact the same as that of float annealed glass.





APPLICATIONS OF PREMIUM TOUGHENED GLASS

PREMIUM TOUGHENED GLASS is designed, in particular, for façades where it is necessary to use tempered safety glass, in all the places where the surrounding architecture and greenery reflects in the glass surface.

The absence of local distortions is visible in façades in city buildings. It is where they are seen most. In an image reflected in the toughened glass traditionally, straight lines wave, and form curves and reduce the aesthetic effect of the entire building.

PREMIUM TOUGHENED GLASS OFFERING INCLUDES GLASS

- in laps or combined in one or two chamber units
- with holes or cut-outs
- with bevelled, ground or polished sides
- rectangular, polygonal and arch-shaped
- enamelled
- covered with screen printing

Comparison of reflected images

Straight line pattern



A – PREMIUM TOUGHENED GLASS

B – traditionally toughened

C – annealed

Toughening type	Glass thickness [mm]	Minimum panel dimensions [mm]	Maximum panel dimensions [mm]
PREMIUM TOUGHENED GLASS	3	180 x 500	1700 x 3500
	4-8		1700 x 5000



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