

EnduraSwitch | Switchable Glass



AUCKLAND: 09 525 3379 | WELLINGTON: 04 913 1999 | CHRISTCHURCH: 03 366 3733

SWITCHABLE GLASS IS A LAMINATED GLASS WITH A LIQUID CRYSTAL INTER-LAYER THAT CARRIES AN ELECTRICAL CHARGE. WHEN CURRENT RUNS THROUGH THE GLASS INTER-LAYER THE CRYSTALS ALIGN WHICH MAKES THE GLASS TRANSPARENT.

However, when the power is turned off, the crystals randomly overlap causing an opaque privacy glass.

Switchable glass is great for when a clear or tinted appearance glass pane is required, then with the flick of a switch the glass pane goes from transparent to opaque, offering privacy.

Woods Glass has a relationship with the provider of this technology. They have a long history in the industry (since 1990)

and one of the highest clarity systems in switchable privacy glass technology.

Sizes are limited to 3500 x 1820mm and glass can be clear or tinted annealed, heat strengthened or toughened. It can also be made into an IGU, and in special cases, shaped, curved and made with cut outs.

New technology allows blinds (lines) or logos to be switched on and off in the glass for special effects.

APPLICATIONS

- Bathrooms
- Office Partitions
- Projector screen walls
- Anywhere privacy is required

PERFORMANCE/ SPECIFYING

EnduraSwitch can be ordered toughened and as a laminate so that it can conform to high impact areas. All glass must be engineered to specific code and design, please contact Woods Glass to find out more information.

CLEANING/ MAINTENANCE

Normally when cleaning glass, a vinegar-based glass cleaner or mild dish soap and water with a soft, lint-free cloth or paper products is recommended. A squeegee or soft cloth may be carefully used to dry the glass and help avoid water spots.

It is not recommended to use petroleum-based cleaners or solvents as they can streak the glass and weaken the seal between the glass and frame. Avoid washing in direct sunlight to reduce streaking on the glass.

Never use razor blades, steel wool, putty knives or abrasive pads as they may damage the glass, particularly on toughened glass.

RANGE

- Glass Type: Annealed, tempered, curved etc (laminated)
- Glass Colour: Clear, bronze, grey, green tint etc (laminated)
- Clarity: VLT is up to 75% (+/- 3%)
- Dimension: Up to 1820mm x 3500mm (largest format in the industry)
- Thickness: 8mm (3mm+3mm) to 22mm (10mm+10mm)
- Shape: Any shape, including holes

WARRANTY

1 year for electrical components

Life Expectancy: Greater than 10 years (Claim is supported by manufacturer testing data)

BUILDING CODES

NZS 4223.1 'Glazing in buildings - Glass selection and glazing',

NZS 4223.3 'Glazing in buildings - Human impact safety requirements',

AS/NZS2208 - Building safety glazing materials

AS 1170.2 - Structural design actions
Wind actions

GLASS TYPES

- Clear
- Tinted

Please ensure the current data sheet is consulted prior to specification. If in doubt please contact Woods Glass.