

EnduraStorm | Cyclone Resistant Glass



ENDURASTORM IS THE PERFECT GLASS OPTION FOR REGIONS THAT ARE SUBJECT TO HEAVY STORMS AND CYCLONES. IT IS MANUFACTURED TO RESIST HEAVY PROJECTILES BEING THROWN BY EXTREME WEATHER.

Woods Glass have installed this product in locations such as Apia in Samoa.

Laminated glass can be made to resist extreme wind and airborne flying debris that occurs during a cyclone. In such situations the glass must withstand penetration from a 4kg, 100x50mm timber plank travelling at 15m/s or

more. To do this the interlayer must be strong and thick.

The glass is usually made up of two 5mm thick glass sheets bonded together with a 3.8mm PVB interlayer. Sometimes the glass is even thicker as the wind pressures are very high in cyclone conditions.

APPLICATIONS

Apartments
Govt Buildings
Any building in regions that are subject to cyclones.

PERFORMANCE/ SPECIFYING

The glass is usually made up of two 5mm thick glass sheets bonded together with a 3.8mm PVB interlayer. Sometimes the glass is even thicker as the wind pressures are very high in cyclone conditions. The frame design is critical in order to equally resist the force imposed. 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

Different coloured tints are available in EnduraStorm such as grey, green, blue, red and white. Woods are able to supply many more colours so please contact us to discuss special requirements.

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.