



Storm

# Protection against nature's most powerful storms

Viridian **StormGuard™** cyclone resistant glass has been specifically designed and tested for buildings in the Australian and South Pacific cyclone prone regions. This product complies with the conditions as described by the expanded requirements of the most recent release of AS/NZS1170.2. It is also suitable wherever buildings require protection from strong winds and airborne debris.

## Description

StormGuard cyclone resistant glass is a laminated safety glass that incorporates a highly effective interlayer to resist penetration from flying debris such as timber, which can be carried by strong cyclonic winds. Even if the glass is impacted and cracked, it still retains its weather-tight capability, allowing the building to remain habitable after a cyclone passes.

StormGuard cyclone resistant glass is suitable for buildings which are required to perform a post disaster function such as hospitals, emergency services, communications facilities, etc. It is also suitable for all other buildings subject to the strong winds, including commercial buildings and hotels, as well as domestic homes.

## Features and benefits

- ◆ Clear vision without the need for storm shutters
- ◆ Protection from the weather even if glass is impacted
- ◆ Tested to the requirements of AS/NZS1170.2<sup>1</sup>
- ◆ Grade A safety glass
- ◆ Even when cracked by debris impact, StormGuard will still resist the design fatigue wind pressure to levels in excess of 15Kpa for some products<sup>2</sup>
- ◆ Range of tones and solar control options
- ◆ Security, noise reduction, UV protection

<sup>1</sup> Tested to withstand a 4kg piece of timber 100mm x 50mm cross section, striking the glass at up to 40m/s, 8mm diameter steel striking ball at up to 40m/s and up to full ultimate wind pressure in a fatigue sequence after the impact tests.

<sup>2</sup> Glass sizes and thicknesses vary depending on building type and cyclone exposure.

Note: The glass needs to be incorporated into a window frame capable of retaining the glass under impact and against both positive and negative wind cycles.

Regulatory requirements can vary with region and application, check local requirements.

StormGuard™



## Applications

- ◆ Hospitals
- ◆ Hotels
- ◆ Emergency services
- ◆ Defence and government buildings
- ◆ Shops and commercial premises
- ◆ Apartment blocks
- ◆ Domestic premises

## Glass thickness

- ◆ Varies with application

## How to specify

- ◆ **Select glass name**  
Viridian StormGuard
- ◆ **Select thickness – process**  
Laminated – determined by application
- ◆ **Select colour**

This glass must be glazed into a window frame designed to provide appropriate glass retention.

