

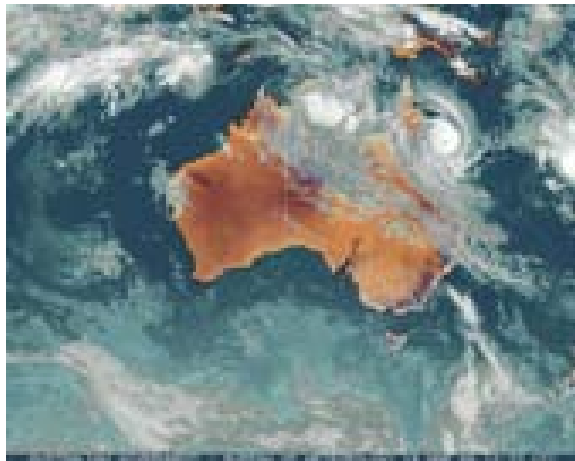
The Superior Steel Lattice complies with the Metalat Steel Lattice Patent ref 660229. The lattice panels are constructed by overlaying steel slats. This makes a panel configuration and riveting them together makes a rigid and decorative panel.

The Slats are made from beautiful BlueScope Colorbond® Steel.

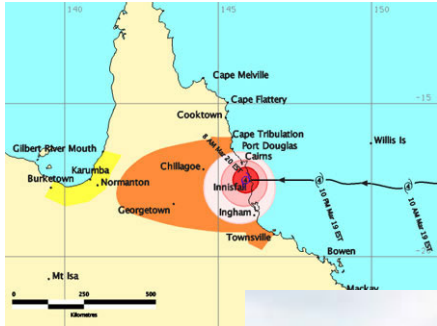
The steel lattice has been tested in the Northern Territory as a Cyclone compliant building product.

- The Northern Territory Building Advisory Committee accepted the Metalat Patented Lattice Screen Fencing System as approved as a suitable standard for inclusion into the Deemed To Comply Manual. References
- M/801/1-Colorbond Steel Lattice Fencing Systems.
- M/801/2- Verandah Lattice Infill Panels
- M/801/3 –Balustrade-Stirrups Support Design.
- Design – Cat -2.0 Cyclonic, Ms = 1.0, Mi =0.9
- Terrain Category 2.
- Approval Date is the 11<sup>th</sup> June 1998.
- Consulting Engineers: Maurice Kelly & Associates Pty Ltd.

Please contact Superior Steel Screens Australia Pty Ltd - Engineering for more details if required.



## Actual Incident > Cyclonic Larry Debris



## Cyclone Larry Devastates Australian Towns, Crops; Second Storm Approaches

Larry crossed the coast on Monday as a Category **Five** storm—the strongest on the intensity scale—with winds of up to 180 miles an hour (290 kilometers an hour). The tempest tore the roofs off buildings and left about 120,000 people without power. About 30 people have been treated for minor injuries and a hundred are being housed in emergency accommodations.



A Royal Palm tree punctured by a neighbours timber roof batten missile driven by cyclone Larry.  
James Street. Silkwood. Qld. March 20 2006.

## The Innisfail Nursing Home

They had some debris missile damage from the storm. Two Colorbond steel lattice panels took direct hits and did not allow the missile(s) to puncture the building. The Colorbond steel panels suffered slight denting.



## Colorbond Lattice & Slating.

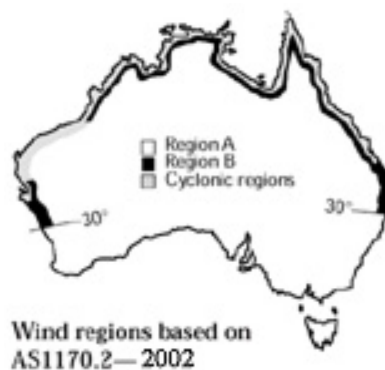
### Installation Environment notes

Colorbond® Lattice should not be used within 1km of marine, severe industrial or other corrosive environments. The screen must be installed clear of the ground.

Take extreme care if the screen is near a swimming pool because pool water splashed on the screen will void the warranty.

These screens are not to be used as a retaining wall.

### Wind Region



The information in this guide is suitable for use only in regions A and B of AS 1170.2-2002 SAA Loading Code, Part 2: Wind Loads. If you have any doubt about the region your screen will be in, get advice from your local building certifier.

## Cyclone Terrain Category

If you want to build on the top of a hill, adjacent to an escarpment, on a ridge, or in terrain category 1, you need professional engineering advice.

**Category 2:** Open terrain including sea coast areas, airfields, grassland with a few well-scattered obstructions such as isolated trees and uncut grass, having heights generally from 1.5m to 10m and water surfaces. Typically acreage-suburbia with less than 10 houses per hectare.

**Category 2.5:** Terrain with a few trees, isolated obstructions (e.g. agricultural land, canefields or long grass to 0.6 m). This category is typical of developing outer urban areas. Less than 10 houses per hectare; or more than 10 houses per hectare, 500m apart and in 2 rows.

**Category 3:** Terrain with numerous closely spaced obstructions the size of domestic houses 3 to 5m high. Typically residential-suburbia with 10 or more houses per hectare.

*The ASNZ-1170.2 Wind Driven Debris Test.*

*Test requirement for a specimen ( panel ) to be capable of resisting the impact of a standard missile, a 4.0 kg mass having 100mm x 50mm cross section, striking at any angle at a velocity of 15m/sec.*



### In the wake of Cyclone Larry

This picnic shelter, near Innisfail in North Queensland, was pushed sideways by cyclonic wind. Innisfail experienced the full brunt of category 4/5 Cyclone Larry which hit the area on 20 March. The photo was taken by Andrew Maddocks of Maddocks & Associates, the only engineering consultant in the town. Maddocks said the shelter is situated on a lookout in open terrain. He estimated the shelter was damaged by a wind speed of about 70m/s.