

PREMIUM COLLECTION

**Windpanel™**

AUSTRALIA'S PREMIUM  
WIND RATED GARAGE DOOR

Protect  
your home



B&D Windpanel sectional garage doors are independently certified and suitable for use in all cyclone-affected regions throughout Australia. The B&D Windpanel has been tested to an equivalent Category 5 severe tropical cyclone, with wind speeds of up to 317km/hr.

Featuring maximum strength, durability and performance, the B&D Windpanel provides homeowners with the protection required for their home, and complies with the National Construction Code high wind requirements.

CERTIFIED FOR USE IN ALL  
CYCLONE-AFFECTED REGIONS

MAXIMUM DURABILITY & STRENGTH

INDEPENDENTLY TESTED  
& CERTIFIED

SMOOTH, QUIET OPERATION

WIDE RANGE OF COLOURS  
& DESIGNS



**Doors & Openers®**

THERE'S SO MUCH MORE BEHIND A B&D DOOR

Call **13 62 63** or visit [www.bnd.com.au](http://www.bnd.com.au) for further information



# Windpanel™

## PROTECTION FOR YOUR HOME & FAMILY

Comprehensively designed for use in all cyclone-affected regions throughout Australia, the B&D Windpanel is designed to withstand wind speeds of up to 317 km/hr.

It looks just like a normal sectional door but has been re-engineered to deliver additional strength, and incorporate the high strength aluminium bracing system.

The B&D Windpanel now features a new patent pending Tracklock™ system, which delivers brace-free protection against high winds for single opening doors up to 3100mm wide in Region C.

B&D Windpanel doors features numerous support fixtures to ensure the door resists blow in and blow out in the event of a cyclone. For doors above 3100mm wide, the B&D Windpanel incorporates a removable high strength aluminium bracing system.

When a cyclone is imminent, the aluminium braces are secured to both the door and garage structure – **this process takes the homeowner 5 minutes and only requires a screwdriver.** Once the cyclone passes, the braces are then removed.

- Additional reinforced track brackets – secured every 250mm and constructed of galvanized steel
- Additional centre stiles in every panel
- Double end stiles
- Extended axles and wheels (pinned to prevent movement)
- High strength aluminium bracing system
- Above door brackets
- Floor central mounting point
- Storage system for braces (optional)
- Springs tested to exceed the Australian Standard > 20,000 cycles.

## AESTHETICS

- Choice of five designs.
- Wide range of colours including B&D Timber Coat.
- Choice of woodgrain or smooth finish.

## WEATHER PROTECTION

- Soft, pliable bottom weatherseal helps stop leaves and rain entering under the door.
- Engineered specifically for high-wind regions, we have a design solution available to meet Region C & D requirements.

## SMOOTH, QUIET OPERATION

- Nylon wheels with roller bearings for smoother, more durable operation.
- Custom springing ensures optimum performance

## STRENGTH AND DURABILITY

- Springs designed for 20,000 cycles.
- Heavy duty galvanised steel hinges and door track
- Stainless Steel lifting cables.
- Reo endcap protects against cuts caused by Reo edging.

## WARRANTY

12 month warranty for complete door and parts in domestic and industrial/commercial applications, surface (excludes salt corrosion).

## CERTIFIED PRODUCT

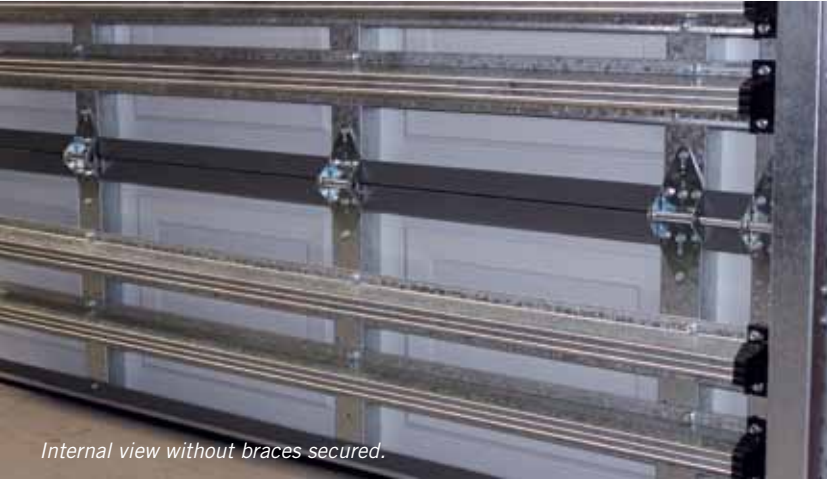
From May 2013, the National Construction Code dictates mandatory wind requirements for all new constructions in regions C & D.

The B&D Windpanel has been independently tested by a NATA-certified laboratory and independent engineer, and certified for use in both regions C & D in accordance to AS/NZS 4505:2012 (Garage Doors & Other large Access Doors) which complies to AS/NZS 1170.2:2011 (Wind actions) and AS 4055:2012 (Wind loads for housing).

*\*As with all types of garage doors, for optimal trouble free performance and safety, we recommend you have your door serviced annually.*



# THERE'S SO MUCH MORE BEHIND A DOOR

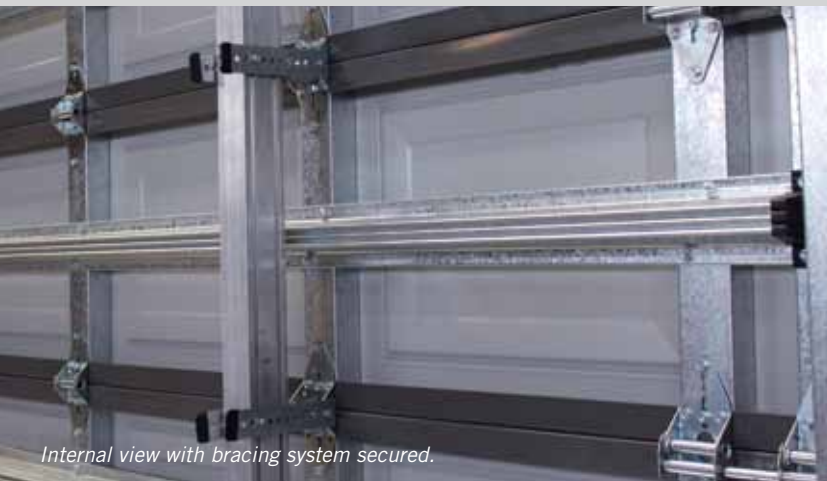


*Internal view without braces secured.*

## **WINDPANEL™ (NO BRACING)**

This photo demonstrates the internal appearance of the B&D Windpanel under normal circumstances (without high wind braces installed).

**NEW INNOVATIVE TRACKLOCK TECHNOLOGY** allows for brace free operation in single door widths up to 3.1m wide in region C.



*Internal view with bracing system secured.*

## **WINDPANEL™ (BRACES SECURED)**

This image demonstrates the internal appearance of the B&D Windpanel with aluminium braces installed providing protection in the event of a cyclone.



*Optional top mounting unit*



*Optional bottom mounting unit*

## **OPTIONAL BRACING STORAGE**

To ensure that you have a safe, dedicated area for your heavy-duty high wind braces, B&D has designed an optional convenient brace storage system.

As these braces are large and heavy, the system has been specifically designed to keep your family and assets safe, whilst accommodating your braces in a convenient, assessable location.

P R E M I U M   C O L L E C T I O N

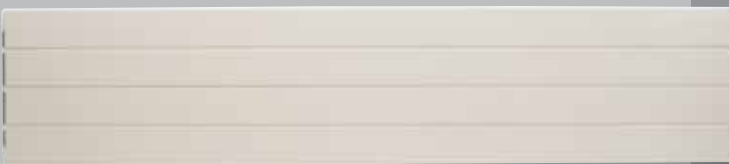
# Windpanel™



Statesman



Federation



Seville



Turino



Grange

## STATESMAN

The elegant Statesman™ raised pattern design adds a stylish finish to the door that will enhance the appearance of your home.

## FEDERATION

For homes with a more traditional feel, the Federation style adds another embellishment to the raised pattern of the popular Statesman design.

## SEVILLE

Seville™ has three fine horizontal ribs across each panel, to provide a slatted look. This design offers a very subdued, contemporary appearance for the modern home.

## TURINO

Turino™ has five ribs across each panel, giving a shi lap board effect. The space between the ribs across the Turino is fixed. The space between the outside ribs and the panel's horizontal edges varies.

## GRANGE

The Grange™ door has an attractive wide raised pattern design, for an elegant, uncluttered finish.

## HOMEOWNER INSTALLATION GUIDE

We know that the idea of securing your garage door is a new concept to many homeowners, that is why we have developed a host of tools to ensure you have the tools and support you need to safely secure your high wind braces in the event of a cyclone.

Please talk to your B&D representative or visit [www.bnd.com.au](http://www.bnd.com.au)



Visit [www.bnd.com.au](http://www.bnd.com.au) for further information.

# High Wind Regions & Terrain Categories

Simply select your geographical region, followed by relevant terrain category to identify maximum allowable spans for your high wind solution.

## STEP 1. IDENTIFY YOUR GEOGRAPHICAL REGION



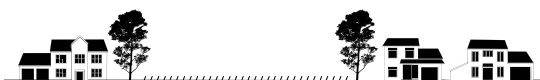
## STEP 2. IDENTIFY YOUR TERRAIN CATEGORY

### TERRAIN CATEGORY 3 (TC3)



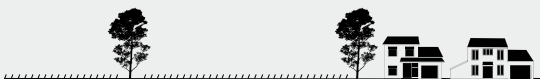
Terrain with numerous closely spaced obstructions having heights generally from 3m to 10m. The minimum density of obstructions shall be at least the equivalent of 10 house-size obstructions per hectare, e.g. suburban housing or light industrial estates.

### TERRAIN CATEGORY 2.5 (TC2.5)



Terrain with a few trees or isolated obstructions. This category is intermediate between TC2 and TC3 and represents the terrain in developing outer urban areas with scattered houses, or large acreage developments with fewer than 10 buildings per hectare.

### TERRAIN CATEGORY 2 (TC2)



Open terrain including grassland with well-scattered obstructions having heights generally from 1.5m to 5m with no more than two obstructions per hectare, e.g. farmland and cleared subdivisions with isolated trees and uncut grass.

### STEP 3. MAXIMUM ALLOWABLE SPANS

DOOR CLASSIFICATION	WIND REGION	TERRAIN CATEGORY	WIND CLASSIFICATION (AS 4055:2012)	ULTIMATE DESIGN WIND PRESSURE (AS/NZS 1170.2:2011)	BRACES REQUIRED
REGION C	A, B, C	2, 2.5, 3	Up to C2	1.8m to 4.0m = 2.92 kPa Inward	1.8m to 3.1m wide = No Braces
				1.8m to 4.0m = -3.37 kPa Outward	3.105m to 3.7m wide = 1 Brace
				4.05m to 5.5m = 2.92 kPa Inward	3.705m to 5.5m wide = 2 Braces
				4.05m to 5.5m = -3.04 kPa Outward	
REGION D	A, B, C, D	2, 2.5, 3	Up to C4	1.8m to 4.0m = 5.81 kPa Inward	1.8m to 2.2m wide = No Braces
				1.8m to 4.0m = -6.69 kPa Outward	2.205m to 2.6m wide = 1 Brace
				4.05m to 5.5m = 5.81 kPa Inward	2.605m to 3.4m wide = 2 Braces
				4.05m to 5.5m = -6.04 kPa Outward	3.405m to 4.3m wide = 3 Braces
					4.305m to 5.5m wide = 4 Braces

- Region C based on Regional Windspeed of 69.3 metres/second.
- Region D based on Regional Windspeed of 88 metres/second.

- Based on building importance level 2.
- Internal pressure co-efficients  $c_{pi}$  = (-0.3, +0.6).

### ENJOY THE CONVENIENCE

For easier operation of your Windpanel door, add a B&D Controll-A-Door automatic garage door opener. Designed to perfectly suit your door, the Controll-A-Door provides:

- Convenience – one push of the remote button and you drive straight into your garage.
- Tri-Tran™ technology – for greater reliability and minimal interference. When you push your transmitter button, you can trust your door will open.
- Comfort – no more lifting heavy doors.
- Value – adds value to your home.
- Safety – forget getting out of the car on those dark or rainy nights. The courtesy light also allows you to see inside the garage.
- Security – protection for yourself and your property with a positively locked garage door.
- Low standby wattage – saving you money on your power bill, and reducing greenhouse gas emissions.



B&D Controll-A-Door remote openers.

INSTALLATION CLEARANCES FOR WINDPANEL						
Door Height (mm)	Number of Panels	HEADROOM (mm)			SIDEROOM (mm)	
		RECOMMENDED	RESTRICTED		RECOMMENDED (EACH SIDE)	
		Standard Headroom (with Opener)	Low Headroom (with Opener)	Low Headroom Front Torsion (with Opener)	Standard Headroom / Low Headroom (Front Torsion)	Low Headroom
		Up to 5500mm wide	Up to 5500mm wide	Up to 5500mm wide	Up to 2500mm wide	Up to 5500mm wide
Up to 2400H	4 - 5	340 (390)	190 (240)	250 (300)	120	155

YOUR **B&D REPRESENTATIVE** IS:

International Customers call **+61 2 9722 5555**  
 fax **+61 2 9771 6385** or email [bndint@bnd.com.au](mailto:bndint@bnd.com.au)



**Doors & Openers®**

THERE'S SO MUCH MORE BEHIND A B&D DOOR

B&D Doors has offices servicing all states.  
 For more details on this product or our other ranges,  
 call **13 62 63** or visit [www.bnd.com.au](http://www.bnd.com.au)

<sup>1</sup> The process of roll forming sheet steel may cause irregularities in flat panel surfaces. Woodgrain texture improves the door aesthetics. Smooth texture not available for all sizes.

a) Windpanel doors, in residential applications, are covered by a 12 month warranty, conditional on proper care, as recommended in the door's handbook. Full details of the warranty are available from [www.bnd.com.au](http://www.bnd.com.au). 12 month warranty only applies to doors purchased and installed in Australia or New Zealand. Warranty only valid if warranty conditions are met.

b) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D or your B&D Accredited Dealer for advice.

c) The company reserves the right to make changes or improvements to the products or

accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered. Specifications subject to change without notice.

d) B&D strongly recommend the use of Woodgrain finish on all steel sectional doors above 4900mm in width.

The Smooth finish when used in conjunction with darker colours may produce irregularities in the panel finish. Please consult B&D Doors or an Accredited dealer for more information.

e) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd.

f) <sup>2</sup> While BlueScope Steel Limited is our preferred supplier, steel products from other sources may also be used.

g) Details correct at date of publication.

\* + Up to 15kgs.