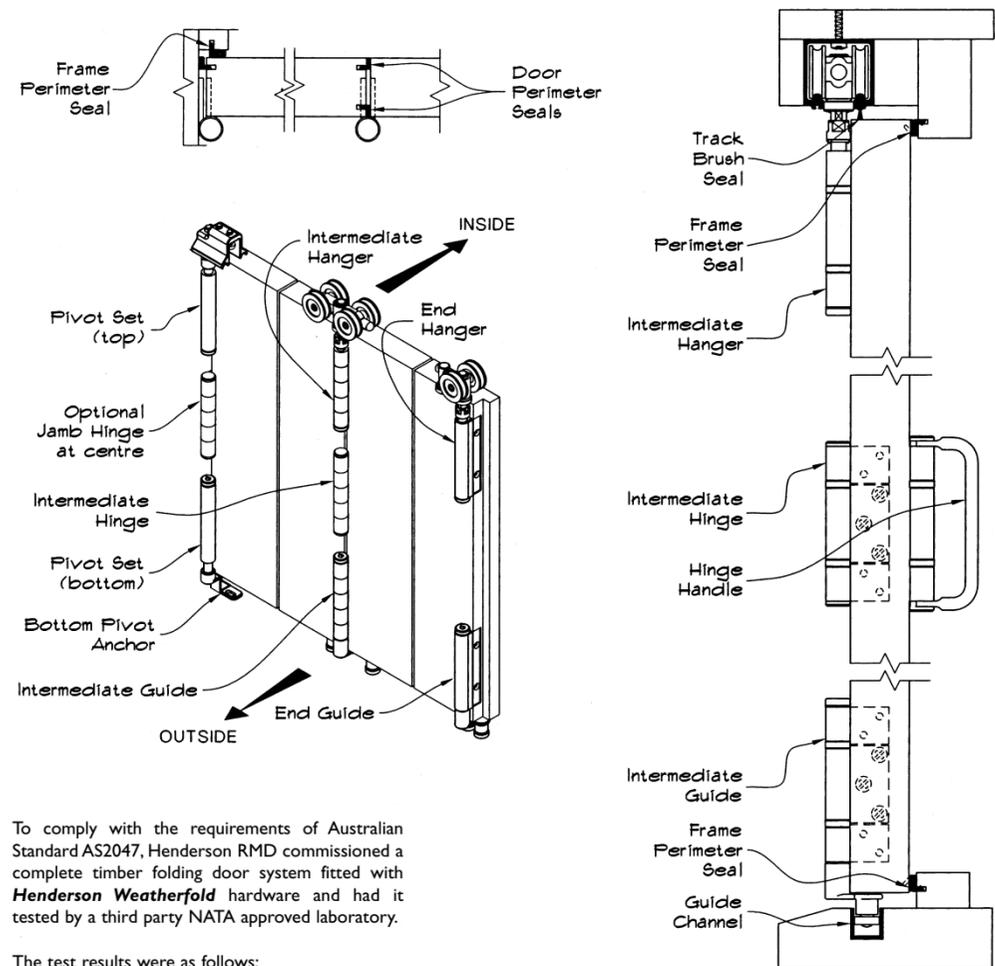


Weatherfold Coastal Specifications				
	Weatherfold Coastal 45	Weatherfold Coastal 75	Weatherfold Coastal T45	Weatherfold Coastal T75
Maximum leaf height	3000mm	3300mm	3000mm	3300mm
Maximum leaf weight	45 kg	75kg	45kg	75kg
Maximum leaf width	900mm	900mm	900mm	900mm
Leaf thickness	35-50mm	35-50mm	35-50mm	35-50mm



To comply with the requirements of Australian Standard AS2047, Henderson RMD commissioned a complete timber folding door system fitted with **Henderson Weatherfold** hardware and had it tested by a third party NATA approved laboratory.

The test results were as follows:

- Water Penetration: 450 Pascal – Equivalent to driving rain at 98 km/hr
- Air Infiltration – Positive: 0.04 litre/sec m<sup>2</sup> – Suitable for air-conditioned applications
- Air Infiltration – Negative: 0.08 litre/sec m<sup>2</sup> – Suitable for air-conditioned applications
- Ultimate Strength – Positive: 2500 Pascal – Pressure developed by class C2 cyclone winds at 232 km/hr
- Ultimate Strength – Negative: 2500 Pascal – Pressure developed by class C2 cyclone winds at 232 km/hr

Although the Henderson Weatherfold Door System is manufactured and certified using Western Red Cedar, it is possible to substitute the timber for hardwood without invalidating the Test Certificate. Claiming approval to AS2047 by Window and Door manufacturers is permissible without further testing on the condition that the Henderson Weatherfold Folding Door System Specification is adhered to. Details can be supplied on request. The high rating achieved, makes the Henderson Weatherfold Folding Door System suitable for all inland Australian and most coastal regions.

<b>AS2047 RATING</b>	1500	Pa	N4, C2
	Structural		
	Water Penetration		
	450		

**HENDERSON**<sup>®</sup>

Henderson RMD  
 A division of RMD Press Co. Pty. Ltd.  
 PO Box R3, Roselands NSW 2196  
 Unit 1, 98 Payten Avenue, Roselands NSW 2196  
 Telephone: (02) 9759 6477 Facsimile: (02) 9750 3482  
 E-mail: mail@hendersonrmd.com.au

Stockist

Henderson is a trademark of PC Henderson Ltd UK

Door Configuration
2 leaf
3 leaf
4 leaf
5 leaf
6 leaf
7 leaf
8 leaf

HENDERSON

HENDERSON

# Weatherfold Coastal



THE EXTERIOR FOLDING  
 DOOR HARDWARE SYSTEM



# Weatherfold Coastal



HENDERSON



## What's in a name?

Everything! Weatherfold Coastal not only accurately describes what our hardware can do but also where it comes into its own. Folding out the weather even by the coast with no corrosion worries.

Grade 316 Stainless Steel, titanium and a variety of polymers are just some of the materials used to construct Henderson's new Weatherfold Coastal door hardware.

Our aim is to provide solutions that improve life style. It is a wonderful option to be able to effortlessly slide to one side an external barrier that separates your living area from the world outside. To allow the light and space to flood

in. Henderson has been making folding door hardware systems for over 80 years and Weatherfold Coastal is the ultimate in exterior folding systems that eclipse's all.

Henderson first launched Weatherfold two years ago and it has been a great success but like all progressive companies we did not stop there, we began almost immediately thinking of ways to improve on the best, to develop the next generation. Customer feedback and a vision of the future are the key drivers that have shaped new Weatherfold Coastal. It is acknowledged that the majority of Australian homes are built near the coast, so high corrosion resistance is essential when selecting the materials to use. Stainless steel hinges, 316 marine grade cast stainless steel and stainless precision bearings have been introduced as the backbone of the new design. The Pivot blocks, hanger bodies and bottom guides are now all cast from 316 stainless steel for maximum strength and corrosion resistance.

## Stainless Steel Hinges.

Made to an exacting and specific requirement are a stunning range of Henderson mortice and non mortice stainless steel hinges that are not only beautifully crafted but are made for heavy duty use. Manufactured from 3mm thick stainless steel the new hinges are available in three finishes, brushed satin, high polish and titanium gold. Rarely used on hinges, titanium gold looks like brass but offers a substantial improvement in corrosion resistance for that easy care finish that will remain tarnish free for years.



Front Cover – Doors by Airlite Windows Pty Ltd

## Capacity

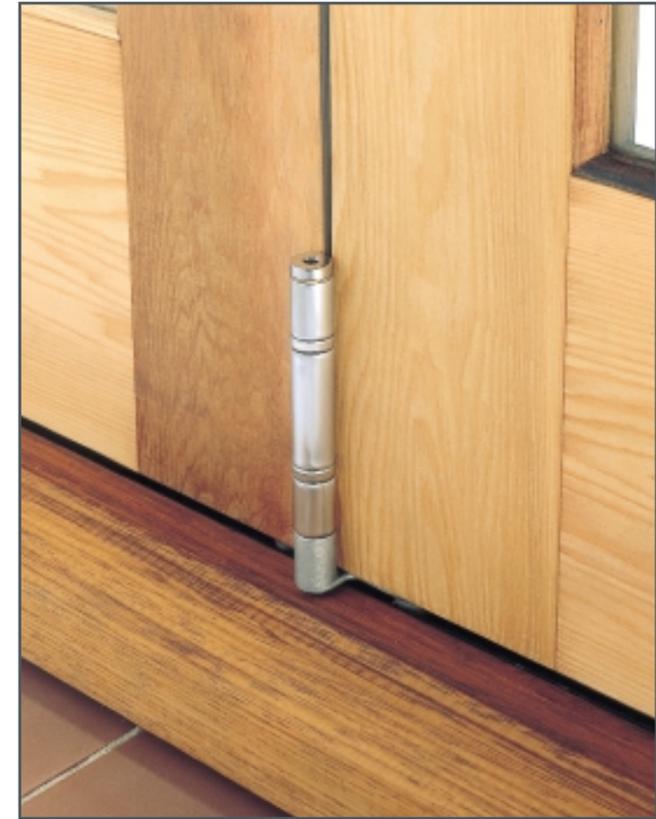
Weatherfold Coastal has been designed to support door leaves weighing a massive 75Kg. Making Weatherfold Coastal the highest rated system of its type on the market by far.

The Energy Efficiency and Greenhouse Gas Abatement issues are gaining international and domestic coverage and it is simply a matter of when, not if, manufactures are to comply with regulations. One of the easiest and most effective ways of improving the thermal efficiency of doors and windows is to introduce double-glazing. With double glazing even a modest size door will weigh more than 40kg so in anticipation of this Weatherfold Coastal is available in two weight options, 45Kg for residential and 75Kg for the larger more commercial type of applications.

## Concealed Channel

The firsts just keep rolling along; Weatherfold Coastal bottom channel, unlike many, is positioned underneath the door leaves.

Gone from view is the necessary but arguably unsightly channel that up until now resided along the front of the door leaves. Neatly tucked underneath the doors, the channel extruded from UV stable black polypropylene is a perfect partner for the twin double sealed stainless steel bearings that guide the doors as they traverse across the opening.



Thousands of cycles under life test revealed with modern polymer technology it is possible to produce a polypropylene channel that outperforms traditional materials such as brass and aluminium for durability, low noise emission and corrosion, making it the first choice for Weatherfold Coastal.

To withstand the extra weight of the doors the guide system has been upgraded to include 2 double sealed precision stainless steel bearings securely riveted onto the 316 marine grade cast stainless steel body.

Tucking the channel under the door panels also provides the added bonus of it being less prone to filling with rainwater.

## 5 Wheel Precision Hanger

As with all the major components on Weatherfold Coastal the hangers also received a considerable amount of attention. The hangers has been redesigned from the ground up; the wheels are grooved to run on rails within an all-new track; the optimum design for hangers subjected to side loads. Resistance to movement is further reduced on Weatherfold Coastal 75 by the introduction of 5 high speed precision bearings, 4 taking the vertical forces with the fifth opposing the side load.

No less than 32 bearings have been used on a typical a 5-door unit.

## Just some of the reasons to choose Weatherfold Coastal.

- ✓ Maximum Leaf Weight Capacity – 75kg
- ✓ Full corrosion resistant construction
- ✓ Concealed channel to enhance appearance
- ✓ Stainless Steel Mortice and Non Mortice Hinges
- ✓ Titanium gold stainless steel hinges for the classic look that will remain tarnish free for years.
- ✓ Extensive use of precision bearing top and bottom to reduce rolling resistance.
- ✓ Extensive use of 316 cast stainless steel for improved strength and maximum corrosion resistance
- ✓ It's a Henderson product

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