

STORMSHIELD

HDF Cyclone Rated

Rollashield[®]
PREMIUM ROLLER SHUTTERS by **ZROLL**



SLAT PROFILES



FEATURES & BENEFITS

- Cat 3 cyclone rating
 - Light control
 - Minimal flex
- Premium insulation
- Increased strength and security
 - Available in restrained and unrestrained
 - Idea for closing in outdoor areas

TECHNICAL SPECIFICATIONS

Weight (per m ²)	6kg
Maximum Curtain Width (with standard guide)	4m
Maximum Curtain Width (with extended guide)	4.2m
Maximum Curtain Width (with restrained guide)	4.6m
Maximum Area (m ²)	10
Gauge of Aluminium	0.32mm
Profile Slat Height	40mm
Profile Slat Thickness	9mm
Standard Guide Dimensions	53mm
Restrained Guide Dimensions	70mm
Standard Bottom Bar Dimensions	50mm
Standard Axle	50mm circular

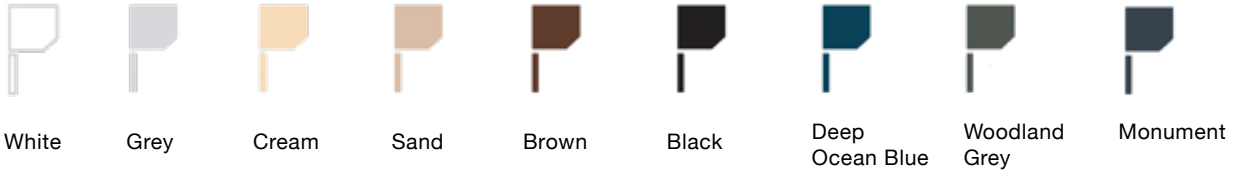
Since its inception our Residential Slat has consistently proved to be a high quality, robust and well accepted profile so therein provided the perfect solid platform on which to develop the “Stormshield” profile.

The development & introduction of the High Density Foam (HDF) offers remarkable advantages where there is high wind or high risk. The HDF is injected into the slat profile under controlled conditions during the manufacturing roll-forming process.

Stormshield is available in both restrained and non restrained options. Our HDF filled profile combined with restrained guides has been tested successfully to meet with cyclone category 3 regulations, while the HDF unrestrained provides an option with standard materials where extra strength and security is required.

BOX COLOUR OPTIONS

Full colour options are available for 165mm - 205mm.
Please see page 3 to confirm colours for 150mm and 230mm sizes.
250mm available in White, Cream & Sand only.



ROLLER SHUTTER COLOUR



CONTROL OPTIONS

MANUAL



MOTORISED



SQUARE BOXING (SQ45)

Sizes Available Maximum Overall Height

150mm	1300mm
165mm	1700mm
180mm	2135mm
205mm	3000mm
230mm	3400mm

Please note: Only when using Ozroll's 50mm circular axle.

GUIDE OPTIONS



Unrestrained with Extended Guide / Restrained Guide

TESTING RESULTS

- Australian Standard AS / NZS 1170.2 - 2002 Structural Design Action Part 2: Wind Actions was used to determine the cyclonic wind loading for roller shutters fitted to a suburban house with an average roof height of 5m located in a sheltered Terrain Category 3 Region C cyclonic location. The design wind speed is calculated to be 47 metres per second (169.2 k/h).
- The Australian Standard AS 4040. 3 - 1992 Methods of Testing Sheet Roof and Wall Cladding, Method 3: Resistance to Wind Pressures for Cyclone Regions was used to an ultimate load pressure of 2.50 kPa, which is needed to fulfil the requirements.

The HDF Super Shutter passed cyclic fatigue loads of 10,200 cycles at incremental increases to the final load, supporting the final single cycle pressure of 2.5kPa for 1 minute. The shutter deflection only increase to a nominal distance of 82mm from the standard rest position during the tests.