

TEST RESULTS

PROTECTA Z3 Side Channel System

14 April 2021

Z3

Committed to quality, innovation, performance and durability, Uniline always stand by its products and the Protecta Z-3 Side Channel System is no different.


Always aiming for the highest standard of performance in the marketplace, Uniline had the Protecta Z-3 Side Channel System using its own Screen View 5% fabric independently wind tested.

The wind tests and report were conducted at the James Cook University Cyclone Testing Station in Townsville, Queensland. Several vigorous tests were conducted and recorded, with remarkable results, highlighted below.

In addition to the James Cook University cyclone testing, Uniline conducted its own durability tests on the Protecta Z-3 Channel System, a weight load test was conducted, which Uniline used over 1700KG to perform a strength test and test the durability of the system under severe load situations, passing with ease.

The overall results were outstanding and Uniline are proud to report that the Protecta Z-3 Side Channel System installed as a Reveal Fit using Uniline's Screen View 5% fabric and fully restrained is able to withstand wind gusts (from the front) of up to 220km/h which is just a phenomenal result.

LOAD TEST



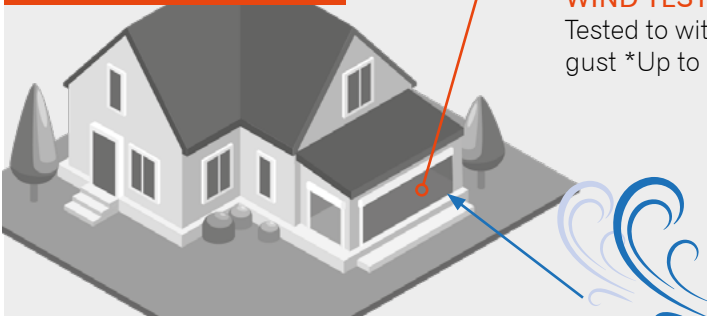
1700KG LOAD TEST
Equal to the weight of a: Porsche 918 spyder

Independently Wind Tested By:






CYCLONE TESTING STATION

WIND TEST



FRONT WIND TEST

Tested to withstand wind gust *Up to 220 KPH

	RESTRAINT	FIT	WIND FROM FRONT (KPH)
Not restrained		Reveal Fit	114
Locked bottom rail		Reveal Fit	185
Locked bottom rail & side restrained		Reveal Fit	220

- **Locked Bottom Rail** refers to Z3 Bottom Rail Lock, locking into Z3 Side Channels & being fully restrained on both ends.
- **Side Restrained** refers the side channels being secured to fixture & being fully restrained along their length.
- All test assumptions and results agreed & approved by James Cook University Cyclone Testing Station.
- Due to the variances in real life applications, installations and wind events, results will constantly vary.

Uniline still recommend best, safe practice to raise your awnings when you are not at home and in any heavy weather conditions.

***Disclaimer and Indemnity.** Please note, there is no Australian wind rated test for window coverings and awning systems. These tests were performed in a controlled laboratory environment pressure chamber to evaluate the strength of the Z3 Side Channel System under wind loads. The results, documented in CTS report TS1102, showed that the Z3 Side Channel System can safely resist a design pressure of 0.27kPa (a 1.5 factor of variability has been applied) when installed at a 4,000mm span in the "worst" orientation with wind acting to pull the mesh out of the side channel and the side channels installed in a reveal fit configuration. This pressure could be equated, for a typical single storey house in a non-cyclonic region with the mesh enclosing the front of a patio, to a wind speed of approx. 110 kph. Uniline cannot therefore accept responsibility if a Z3 Side Channel System sustains damage relating to, or resulting from, accidents, alterations, not using 100% Uniline components, discoloration or fading over time, misuse, abuse, normal wear and tear, removal and/or re-installation, failure to follow the installation or use instructions of Uniline, or force majeure including, without limitation, storm, fire, floods, cyclone's, standing water, explosions, earthquakes, vandalism, riots, acts of war, pollutants, acts of God or other occurrences beyond the control of Uniline. Similarly installations subject to salt spray or marine influences, severe industrial or corrosive environments or internal situations subject to moisture laden air. Also excluded are shipping charges and costs for removing, disassembling, reassembling and reinstalling the materials or components.

You shall indemnify and hold unaccountable Uniline, its agents, suppliers, distributors, sub-distributors, successors or assigns, and their respective directors, officers, shareholders and employees (each an indemnified party), from and against any and all damages, liabilities, costs, losses and expenses (including reasonable legal costs and fees) arising from or related to any claim, demand, complaint or action by a third party which an indemnified party may suffer or incur in connection with your business activities (including without limitation your performance of partner services, your failure to comply with the provisions hereof (including any failure to perform partner services in accordance with our then-current policies and procedures), or your negligence or wilful misconduct.

