COMPLIANCE

UPVC Profile

Deceuninck uPVC extruded profile distributed through Deceuninck Australia and New Zealand contains a minimum of 9% Titanium Dioxide
The inclusion of this material is chosen to assist overall weather ability of the profiles

NZ Building Code

We certify that the uPVC windows and doors meet or exceed the requirements of the New Zealand building code means of compliance

NZBC B2 durability	Profile can be expected to have a serviceable life of not less than 15 years.
NZBC Clause F2	This pertains specifically to the structural elements of the profile
NZBC Clause F4	**HAZARDOUS BUILDING MATERIALS** (July 1992) Acceptable Solution F2 / AS1 (Amend 2 - |Dec 2000)
NZBC Clause B1	**SAFETY FROM FALLING** (September 2007) Acceptable Solution F4/AS1 (Amend 1 – Sept 2007)
NZBC Clause B2	**STRUCTURE** Acceptable Solution B1 / AS1 (Amend 11 – August 2011) Verification Method B1 / VM1 (Amend 11 – 2011) Design Pressure ULS 1.76 kPa

Licenced Building Practitioners Act

We employee an Licenced Building Practitioner

Always check the LBP Register to ensure your building practitioner is licensed.

WorkSafe New Zealand, under the Health & Safety in Employment Act

We employ staff trained in H&S for the NZ building construction industry

Always ensure Health & Safety is managed in the workplace

STANDARDS

NZ

NZS 4211:2008	Performance of Windows
NZS 4223	Glazing in building Parts
Part 1 2008	Glass selection and glazing
Part 3 1999	Human impact safety requirements
Part 4 2008	Wind, dead snow and live actions

Australia

AS 2047: 1999	Windows in buildings – selection and installation
AS 4420: 1996	Windows – Methods of test
AS 4055: 1992	Wind loads for houses

Australia / NZ

AS/NZ: 1170	Structural design actions
AS/NZS 2208:1996	Safety glazing materials in buildings
AS/NZS 4667:2000	Quality requirements for cut-to-size and processed glass
AS/NZS 4668:2000	Glossary of terms used in the glass & glazing industry

UK

British Board of Agrément is one of the UK's leading notified bodies offering approval, certification and test services to manufacturers of products and systems supplying the construction industry

BS 7412	British Standard Specification for plastic windows made from PVC-U Hollow Profiles. This specification covers the construction of the window, security, safety, operation, weather performance, and strength performance
BS 6375-1	

PROFILE TEST RESULTS

Europe

SKZ	Tests carried out on all profile by independent registered product assessment laboratory accredited for compliance with ISO/IEC 17025

Resistance to Weathering

SKZ	EN12608: 2003 Test report 81169/08-1	Classification according to climate zone S (severe) – is fulfilled	
	EN ISO 8256	TENSILE STRENGTH The mean tensile impact strength shall not be less than 600°C	Test result 939°C
	EN ISO 179/1eA	IMPACT STRENGTH The Charpy notched impact strength must achieve at least 20kJ/m^2	Test result 21 Plus
SKZ	EN ISO 179-1/1fA	WEATHERING IMPACT STRENGHT The artificial weathering impact strength of weathered samples shall not drop more than 40% compared to unweathered samples	Test result -3%
ISO	EN ISO 178	ELASTICITY The Flexural Modulus of elasticity (E_b) at 23°C shall not be less than 2,200 N/mm^2	Test result 3054
	EN ISO 306, B50	SOFTENING The Vicat softening temperature must achieve 75%	Test result 82%
	EN ISO 306, B50	COLOUR FASTNESS Colour fastness after 4000$^+$ hours exposure to 8 – 12 GJ/m^2 doses of radiation	Test result – no stains, strips or cracks observed
	EN ISO 105-A03	COLOURMETRIC Colourmetric assessment, visual assessment according to ISO 4582 using grey scale	Test result - pass

Europe

	NF P 92-501	REACTION TO FIRE Reaction to fire of materials	No aperture appears during the test procedure It is very difficult to set fire to PVC and in the absence of an external flame, it will self-extinguish

PROFILE TEST RESULTS

Australia / NZ

Tests carried out on all manufactured profile by independent registered product assessment laboratory accredited for compliance with ISO/IEC 17025

Water penetration and Ultimate strength test

AS2074 - 1999

NO.6026S2	INWARD CASEMENT WITH TILT-TURN WINDOW	Water penetration	250Pa
		Ultimate strength test	+2310Pa -2310Pa
NO.6026S3	AWNING WITH FIXED LOWLIGHT WINDOW	Water penetration	600Pa
		Ultimate strength test	+3300Pa -3300Pa
NO.6026S4	6 PANEL TILT-TURN & FIXED WINDOW	Water penetration	200Pa
		Ultimate strength test	+2300Pa -2300Pa
NO.6044S3	INWARD TILT TURN WINDOW	Water penetration	450Pa
		Ultimate strength test	+4500Pa -4500Pa
NO.6044S4	INWARD OPENING BIFOLD DOOR	Water penetration	150Pa
		Ultimate strength test	+1500Pa -2000Pa
NO.2010-093-S1	SLIDING DOOR	Water penetration	250Pa
		Ultimate strength test	+2000Pa -2300Pa

NATA Registered Laboratory No. 2371

PROFILE TEST RESULTS

Profile - Determination of U value

	EN ISO 10077	STANDARD - THERMAL PERFORMANCE OF WINDOWS, DOORS, SHUTTER	
		Determination of the U value – resistance to heat loss Equivalent R rating	U = 148 W / (m^2K) R = 0.68
	EN ISO 10077	UPGRADED TRIPLE SEAL - THERMAL PERFORMANCE OF WINDOWS, DOORS, SHUTTER	
		Determination of the U value – resistance to heat loss Equivalent R rating	U = 140 W / (m^2K) R = 0.71

CARE AND MAINTENANCE

PVC windows are extremely easy to care for and require minimal maintenance. But you should still clean and care for PVC windows regularly – especially the glazing. Correct handling will ensure you long and lasting enjoyment.

For normal cleaning of the frame surface use a solution of mild dishwashing liquid.

Do not use abrasive cleaner or wire wool as this will damage the surface

For stubborn dirt always use special cleaning agents that can be obtained from the window supplier or from a window specialist.

Clean the outside of your windows regularly. Pollen, tar or ferrous particles may be burned in by the sun's rays. Once a layer has deposited it is not easy to remove.

Impurities, which occur during the window manufacturing, for example grease off the fittings or manufacturing marks (ballpoint pen, pencil) may be removed with non-abrasive household solutions such as JIF.

Avoid the use of felt tip pens. These leave obstinate marks which are very difficult to remove

Use of cleaning benzene, flux oil, acetic polish remover or similar agents can destroy the surface of the profiles

Static electricity developed by polishing and buffing is best removed with soapy water. The residual film of soap prevents further build-up of static electricity.

Moving parts should be oiled at least twice a year. Greasing and oiling keeps the function of the fitting in order.

Do not use spray oil or excessive lubrication

Check the drainage openings in the frame profiles every now and again. Cleanliness is important for satisfactory drainage.

Always tighten loose window handles. You can find the screws by lifting the cap under the handle and turning it out of the vertical into a horizontal position.

WARRANTY

In accordance with our Terms of Sale, a warranty for all UPVC Windows and Doors products is provided against failure from date of delivery on site

NZBC B2 durability	Profile can be expected to have a serviceable life of not less than 15 years
UPVC Solid	Colour match 10 years
UPVC Foil	Colour match 7 years
Glass to Specification	10 years
Hardware	5 years
Workmanship	5 years
Servicing	2 year's free call outs for all adjustments

Over time, even with regular maintenance, decretive elements and non-structural fittings such as handles fasteners, door rollers and other similar components may require replacement as they wear out. This process does not contravene the Durability Requirement of NZBC B2 or its warranty.

This warranty is subject to correct installation and maintenance. Installation and maintenance guides are available on request.

The Warranty shall be void if any one or more of the following circumstances apply:

- A cause independent of human control occurring after the goods have left the control of UPVC Windows and Doors.
- The units are installed contrary to the instructions
- The units are damaged by improper handling, storage or glazing
- The units are altered in any way
- The units are subject to abnormal stresses from the load application of heat, excessive vibration, building or foundation movement or failure to provide adequate expansion or contraction provisions in the framing members

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