



WINDOWSTM

GERMAN WINDOWS ASSEMBLED IN MALAYSIA



COMPANY TARGETS AND VISIONS

We intend to provide our customers with the best in available window and door solutions. Developed in Germany, assembled in Malaysia guaranteed highest technical and quality standards. Permanent Research & Development helps to be and remain the knowledge market leader.

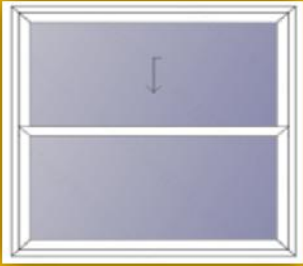
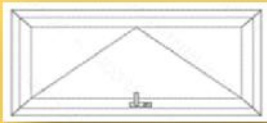




Our company changed the way to think about living comfort and home security. Full service comfort, friendly and experienced staff, a professional atmosphere and fair prices make clients to friends and friends to company supporters.

We are focusing on niche markets and customers they are truly important to us. Deep collaboration and cross-communication of all our staffs allow us to innovate in a way that others cannot. The best market performers will find in our company a way to merge private and business targets.

Q- Windows responsibility is to continually improve all aspects of working environment, social responsibility and economic results. For a better tomorrow than today. Our vision to benefit our society and build shareholder value by making Q-Windows a truly successful company.



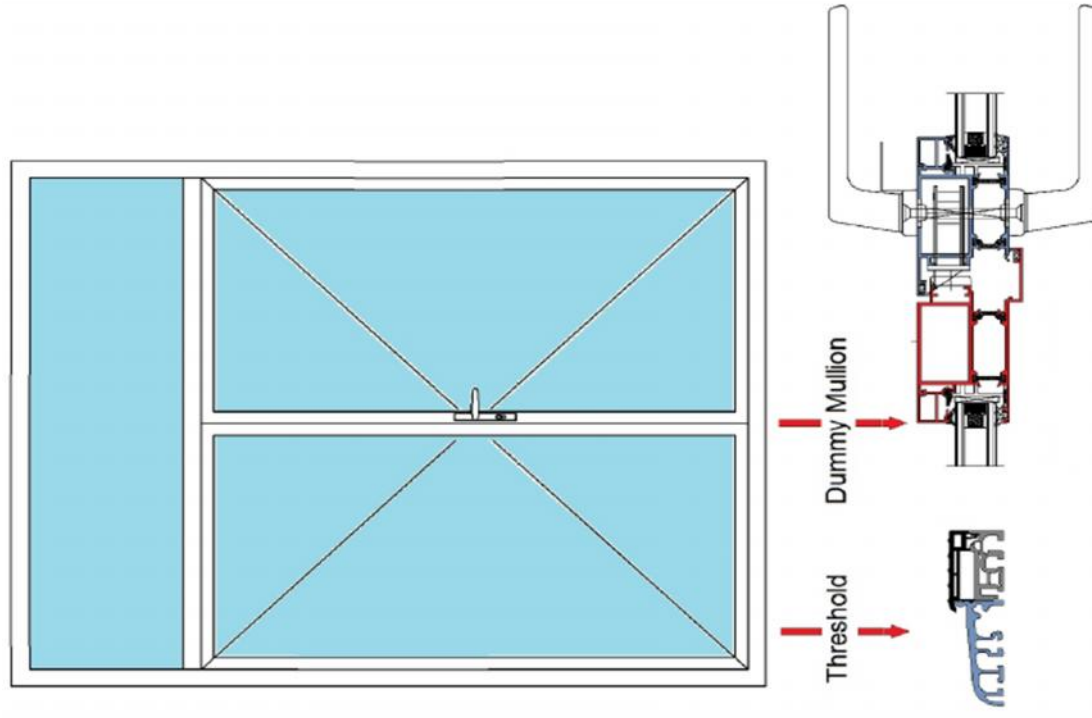
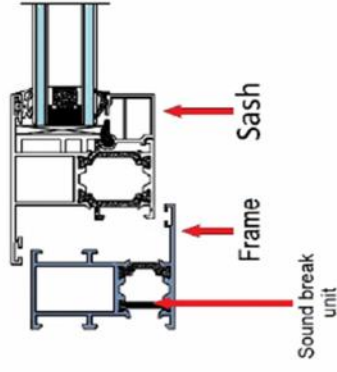
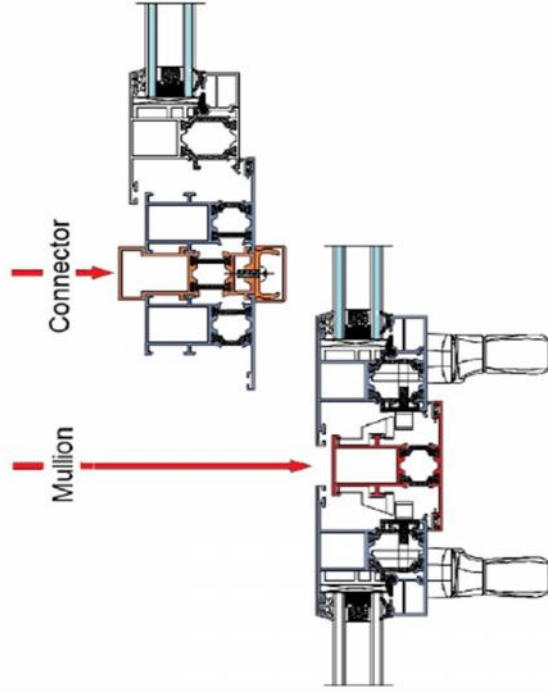
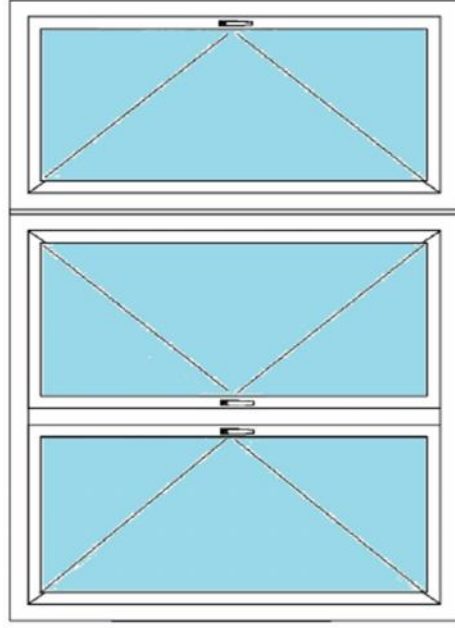
WINDOWS SYSTEM OVERVIEW

Lift & Sliding door / Sliding Door	
Entrance door	 inward
Casement door	 outward
Outward opening window	 Side Hung  Top Hung
Fixed window	

SYSTEM LIMITATIONS PER PANEL

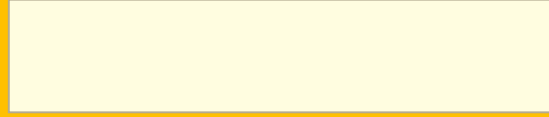
min. width 800 mm, max. width 2700 mm / min height 1800 mm, max. height 2700 mm / max. weight 200 kg	min. height 1800 mm, max. height 2500 mm / min. width 750 mm, max. width 1200 mm / max. weight 120 kg	min. height 1800 mm, max. height 2500 mm / min. width 750 mm, max. width 1200 mm / max. weight 80 kg	Side Hung min. height 500 mm, max. height 1600 mm / min. width 550 mm, max. width 900 mm / max. weight 47 kg / Top Hung max. height 1800 mm, max. width 1600 mm, max. weight 100 kg .	min. height 500 mm, max height 2900 mm / min. width 550 mm, max. width 2900 mm
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WINDOW & DOOR BASICS





WINDOW COLOR INFORMATIONS



white



dark brown

Standard colours



light grey



light brown



green

Special colours **15%** surcharge



All other colours in according **RAL classic 20%** surcharge



WINDOW GLAZING INFORMATIONS

Q- WINDOW profiles are engineered and designed to build large window and door panels. Nevertheless there is a limitation based on the hardware to hold, fix and open the movable sash. Glazing can be the most heaviest part of a sound proof window. To avoid overstressing the hardware the sash weight has to be calculated.

Glazing Type	Thickness (mm)	Glazing Structure (mm)	Sound Reduction (dB)	Weight (kg/m ²)
 Single	3		30	7.46
	6		32	14.94
	10		35	24.9
 Laminated	6.38	3-0.38 PVD-3 5-0.38 PVD-5 10-0.76 PVD-10	33	15.24
	10.38		36	25.1
	20.76		43	50.4
 Insulated (IGU)	22	5-12 Air-5 6-12 Air-6	33	26.4
	24		34	31.48
	23.38	5-12 air-3 -0.38 PVD-3	34	29.25
	24.38	6-12 air-3 -0.38 PVD-3	37	31.75

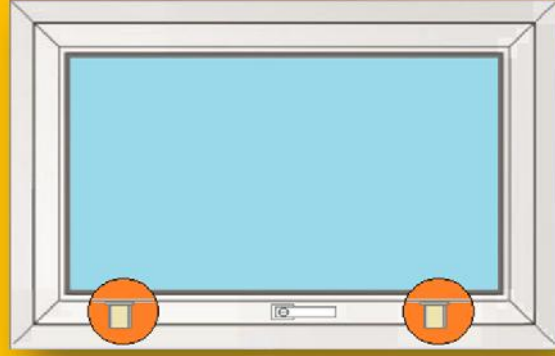
Weight Limitations

Side Hung Windows 47 kg per sash	Top Hung Windows 100 kg per sash
Lift- Slide / Sliding 200 kg per door	Entrance Doors 120 kg per door
	Casement Doors 80 kg per door



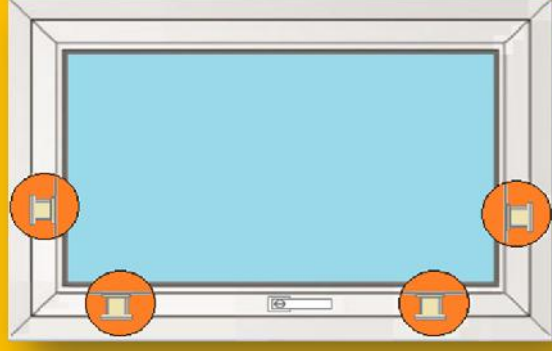
SECURITY / WINDOW SELECTION

Q- WINDOWS are masterpieces in SECURITY. Various technical refinements stop any burglary attempt and protect you from unwelcome visitors. The fitting groove, for example, is positioned on the internal side of the sash, which makes it particularly difficult to force the window open. Lockable Window Handles are standard.



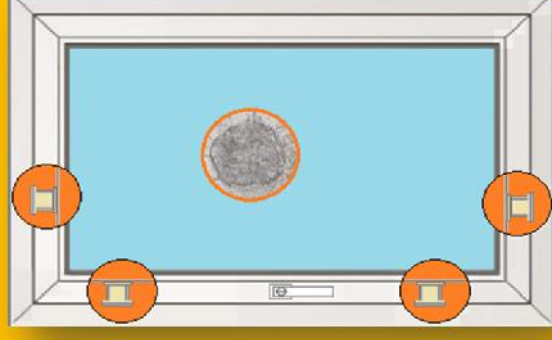
“Security level I”

with minimum two hidden
STANDARD locking points and
lockable **SECURITY HANDLE.**



“Security level II”

with minimum four hidden
MUSHROOM locking points and
lockable **SECURITY HANDLE.**
Surcharge **180 MYR** per window
element.



“Security level III”

with minimum four hidden **MUSHROOM
locking points**, lockable **SECURITY
HANDLE** and **SPECIAL GLAZING.**
Surcharge **180 MYR** per window
element, **plus glazing surcharge** based
on demand (e.g. bullet proof).



SECURITY / DOOR SELECTION

GERMAN manufactured multipoint security locks upgrade your entrance door to a security gate

“Security level I”

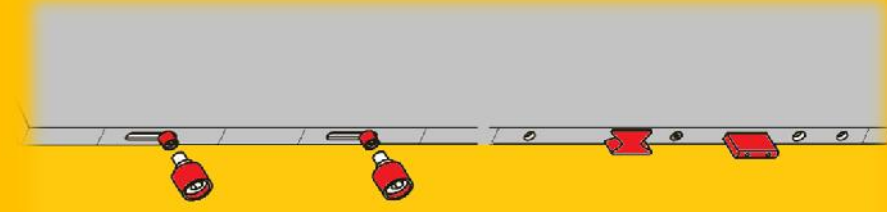
includes
German
produced
SASHLOCK
and German
CE EN tested
**Q-
SECURITY
PROFILE
CYLINDER.**

“Security level II”

includes
additional
German
produced
multipoint lock.
Four additional
adjustable
ROLLER BOLTS
increase the door
security
dramatically.
Surcharge
250 MYR.

“Security level III”













includes additional
German produced
multipoint lock. This
impressive system
incorporates
DEADBOLTS in the
upper and lower
positions, providing
height security levels
that easily passes the
rigours of EN14351
standards. Surcharge
400 MYR.





SOUNDPROOF WINDOWS / SELECTION

To select the most suitable Q- sound proof window you have to know the average and maximum noise level in front of your current window. If there are no measurement tools available please use the table below to estimate the noise level.

Noise Level	Traffic environment	House distance to road	Recommended Window Type
50 db means	 Housing area 10-15 cars / hour	 > 35 m	No special windows needed
51-55 dB means	 Housing area 10- 50 cars / hour	 25 - 35 m	Q- Soundproof Window Type 1 Sound reduction 35%
56- 60 dB means	 Housing area 50 - 200 cars / hour	 25 - 35 m	Q- Soundproof Window Type 2 Sound reduction 45%
61- 65 dB means	 Main street up to 3.000 cars / hour	 100 - 300 m	Q- Soundproof Window Type 2 Sound reduction 45%
66- 70 dB means	 Main street up to 3.000 cars / hour	 30 - 100 m	Q- Soundproof Window Type 3 Sound reduction 67%
> 70 dB means	 Highway up to 5.000 cars / hour	 < 100 m	Special consultation required

Q- Sound proof window Type I

required at least
3 - 0.38 - 3 mm
laminated glass

Q- Sound proof window Type II

required at least
5 - 0.38 - 5 mm
laminated glass

Q- Sound proof window Type III

required at least
10 - 0.76 - 10 mm
laminated glass



SOUND PROOF WINDOWS / SELECTION

A more better solution is to use your smartphone to measure the noise level. I-Store, Google and Microsoft offers a lot of useful APP's fulfils the basic measurement functions. If demanded Q- Windows can proceed precise sound measurement's with calibrated tools free of charge.

Android

https://play.google.com/store/apps/details?id=kr.sira.sound&feature=related_apps#?t=W251bGwsMSwxLDEwOSwia3luc2lyYS5zb3VuZCJd

Microsoft

<http://www.windowsphone.com/en-gb/store/app/noise-meter/c68f7156-9c86-480b-a44e-87ba6b5639f1>

I- Phone

<http://itunes.apple.com/us/app/db-volume-meter/id353432115?mt=8..>

Outside noise

51 - 55 dB ⇄ Q- Sound proof window TYP I

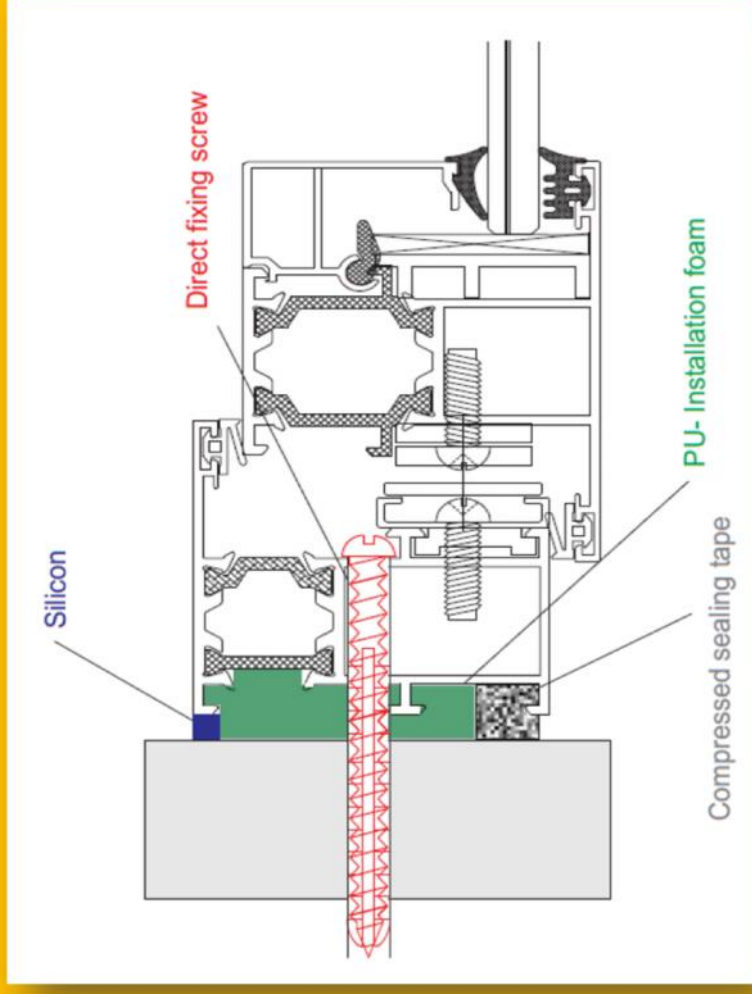
56 - 65 dB ⇄ Q- Sound proof window TYP II

66 - 70 dB ⇄ Q- Sound proof window TYP III



GERMAN RAL - INSTALLATION

To utilise the full functionality of sound an energy proof windows, the connection to the building structure has to be made as airtight as possible. Our Q- Windows installation in according the German RAL standard is a sound reducing and energy-efficient installation, ensuring the reduction of noise and cooling energy loss due to its technology.



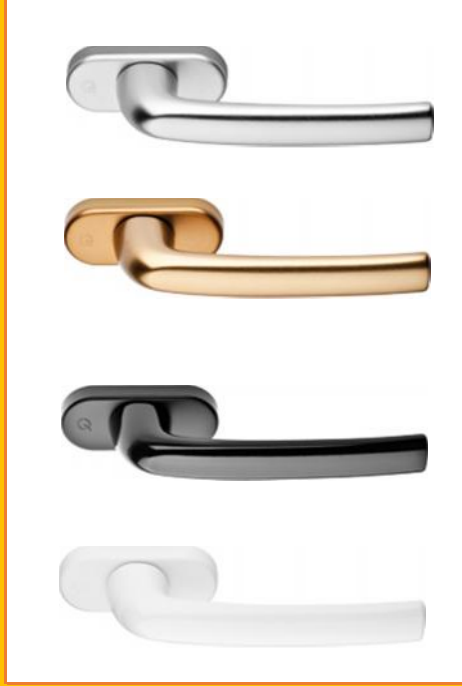
highly durable SWISS MADE SCREWS fix the window direct through the building.

In Germany produced JOINT SEALING TAPE is used as a sealing material to fix up the space between the frame and the wall. This tape is UV- resistant and ensure water-tightness up to 300 Pascal.

Forget anything else. There is no better way to install windows!

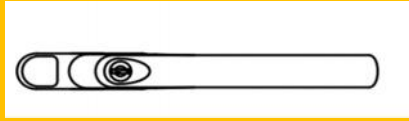


Colour Codes



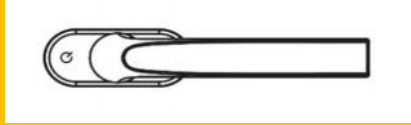
1	white
2	black
3	brown
4	bronze
6	silver

Q- Casement
Handle



1 / 2 / 6

Q- Sliding
Handle



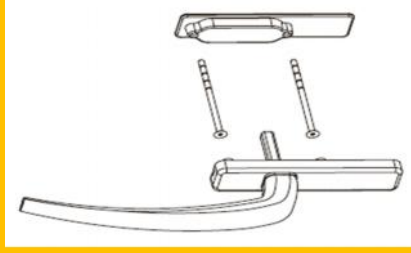
1 / 4 / 6

Q- Sliding
Door Handle
lockable



1 / 4 / 6

HAUTAU Lift &
Sliding Handle

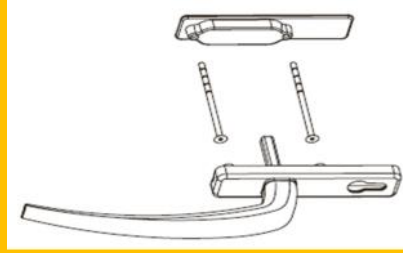


1 / 3 / 6

Q - Lift &
Sliding
Handle



stainless
steel

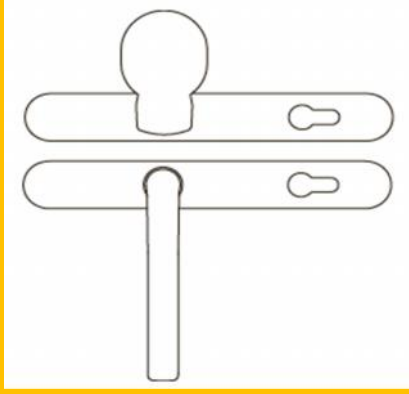


1 / 3 / 6



HANDLE COLOUR OPTIONS II

Q- Entrance Door Handle Type I



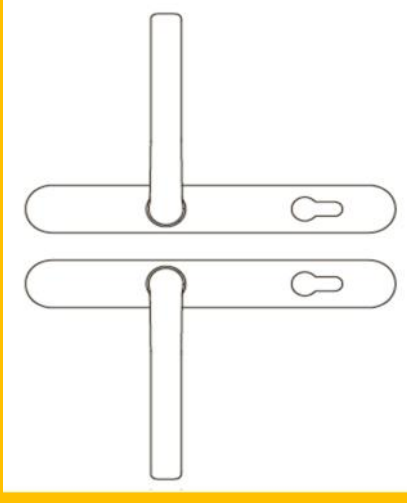
1 / 4 / 6

Q- Entrance Door Handle Type II



1 / 4 / 6

Q- Entrance Door Handle Type III



1 / 4 / 6



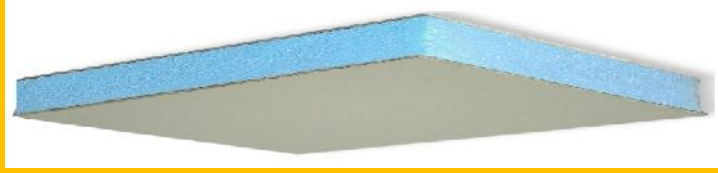
DOOR HINGE & PANEL OPTIONS

Q- Door Panel
EXCLUSIVE 25



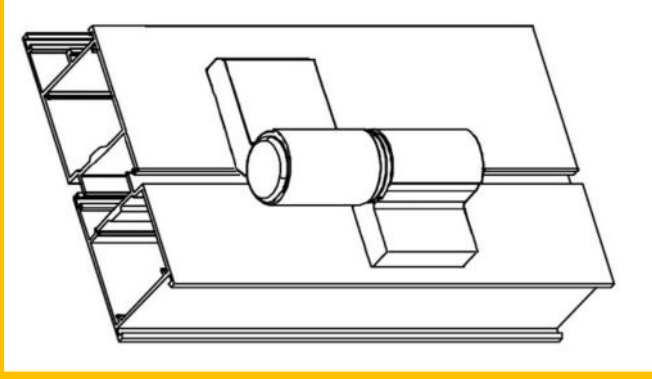
1

Q- HPL Soundproof
Panel



1

Q- Entrance Door Hinge



1 / 2 / 6

Q- Casement Door
Hinge



1 / 2 / 6



Q - WINDOWS / the better choice!

		Malaysian Aluminium windows	Plastic - Windows	Q
Hardware	All hardware parts are imported, manufactured and tested under CE-European standards			X
Profile	50 mm width, 6063-T5 high grade multi-chamber Aluminium profile, thickness up to 2.0 mm			X
	Incorporated fibre glass made sound- and thermal break unit			X
Gaskets	Minimum 2 level silicon free EDPM gaskets, Expanded gasket zone		X	X
Technology	All window corners are high pressure connected and sealed with a 2 component high durable glue from Germany			X
Glazing	Window fits glazing up 24 mm as base to incorporate sound proof glazing		X	X





Q - WINDOWS / the better choice!

		Malaysian Aluminium windows	Plastic - Windows	Q
Burglary	Lockable window handles are Standard		X	X
	Window can be upgraded up to Security level I	X	X	X
	Window can be upgraded up to Security level II		X	X
UV resistance	All materials facing the sun are UV resistance, long-lasting and slow aging			X
Sound Insulation	Tight windows without any gap in-between inside and outside ensure sound reduction up to 67%		X	X
Installation	Installation in according the German RAL - Standard ensure water- and wind tight connection to the building			X





Q - WINDOWS / the better choice!

		Malaysian Aluminium windows	Plastic - Windows	Q
Water tightness	Window design ensure Rain impact resistance up to 433 Pascal (German EN standard 12208)		X	X
Wind tightness	Air permeability less 0,3m³/h based on 1 m length of the outer frame ensure wind noise free environment		X	X
Durability	Window tested up to 20.000 opening - and closing cycles without damage			X
Warranty	Life long operational warranty			X

