



aluminium window & door

pro-WIN
series

YKK
ap[®]



Professional Window

Building houses in tropical areas requires strong window frames with precision and resistance against all weather conditions, so that the aesthetic value of your home can be maintained for a long time. Discover the art of modern lifestyle and luxury design of your house or apartment wrapped in aluminium windows with Japanese technology offered to you exclusively by Pro-Win.

Various benefits of Pro-Win:

- + *Aluminium window products with high performance proven by laboratory tests*
- + *Frame made entirely of aluminium with international standards of architectural building materials*
- + *Free from termites and decay problems, the expansion/shrinkage of material is not affected by hot, cold or rainy weather*
- + *Leakage free, reduces noise, easy and convenient in operation*
- + *Parts for this series is produced by YKK AP with Japanese High-tech quality, that meets international standards*

PERFORMANCE :

- **Structural Performance: 850 Pa (AAMA)**
Performance of aluminium doors / windows showing resistance to wind pressure
- **Watertightness: 180 Pa - 220 Pa * (AAMA)**
Performance showing resistance to water leakage into the room from rain with gusts of wind
- **Airtightness: 5 m³/h.m² at 75 Pa (AAMA)**
A - 4 (JIS) for Sliding
Performance showing resistance of air/wind leakage through the aluminium doors / windows to maintain temperature and at the same time improve the efficiency of the air conditioner
- **Sound Insulation: 25 dB - 30 dB (JIS)**
Performance showing a reduction of sound intensity from outside / inside the room



Sliding Window / Door

Sliding doors that provide a different vibe to your home because of its beautiful design, lightweight and smoothness along with space efficiency.

“Universal Design” Handle (Optional)

- + Less effort to open sliding door / window with the use of double glazing or a large addition on terrace window.
- + Easy “Universal Design” handles with adjustable shape and height to meet your family’s needs regardless of age & physical abilities, and based on extensive research in Japan.



Comparison of open and closed condition **WITH** Support Handle

	1	2	3	(kgf)
WITHOUT Support Handle	1.9			
WITH Support Handle	1.0			Reduction of the burden

Standard Parts

Roller



- + Smooth operable with wheel from special nylon material
- + Not easily worn out
- + Durable and not easily damaged
- + Trouble-free replacement upon damage

Crescent Lock (standard type)

Crescent Lock (standard type) Parts that serves as a key with double-lock system.



Wind Stopper

Parts which function to prevent entrance of air / wind from outside.





Large Size Casement

This type can support up to 3 meters height with the use of double glazing which is ideal for the interior of large houses.

Safety Stopper (optional)



The system allows you to open the window with maximum security by using locking mechanism, which prevent children falling and also strangers from changing the fixed window opening.

Handles with multi point lock system



Handles with beautiful and durable design using the multi-point lock system enables the door to close perfectly.

Double Glazing



- + Multiple glass (double glazing) will increase twice the heat reduction from outside the room with the concept of **Green Building** in terms of indoor environment quality and also reducing energy consumption.
- + Maximize sound / noise reduction into or out of the room.

** Glass not include*







AP Guard Coat









Extensive research and development of YKK AP Japan brings new innovation to a special protective layer called as AP Guard Coat. The layer protects against all environmental condition such as corrosion, mortar (cement liquid), acid rain, cleaning fluid, etc. The layer comes with a smooth surface which extends the durability.

Colour Variation

Powder Coating

		YKK AP Grade Coating - Super Durable Polyester Powder Coating - Complies with AAMA 2604 - Thickness : 60-80 micron - PW-01 and PW-02 gloss : 70-80% - PW-11 and PW-12 gloss : 30-45%
PW-01	PW-02	
		
PW-11	PW-12	

AP Guard Coat "Anodise Plus"

			
YS-1C	YB-1C	YK-1C	YH-1N
			
YS-1N	YB-1N	YK-1N	YH-3N

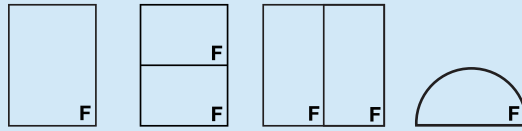
- * The shown colours are only some sample of YKK AP colour collection.
- * The colours printed in this brochure may be different with the actual product.
- * Actual colour samples are available in our sample colour book.

Typical Product Specification

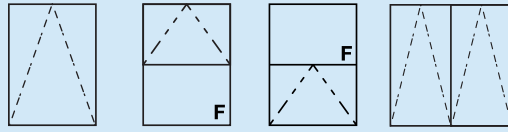
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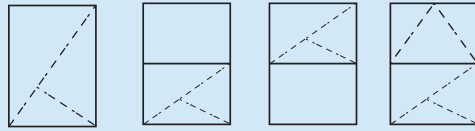
FIX



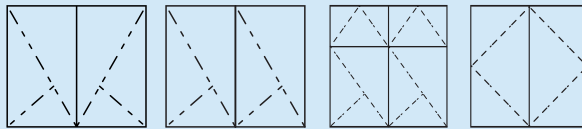
Top Hung



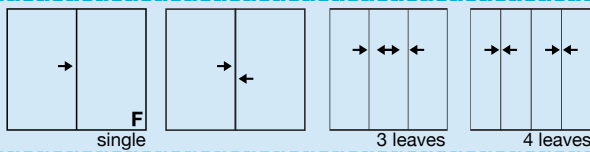
Casement



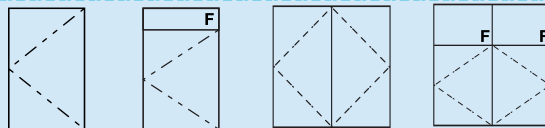
Double Casement



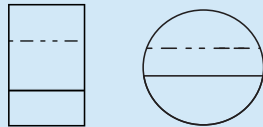
Sliding Window/Door



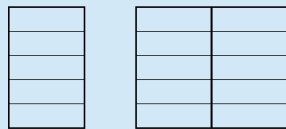
Door



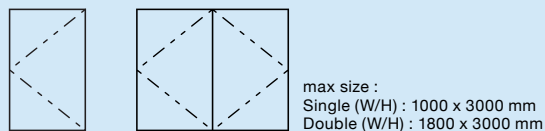
Bouven Licht



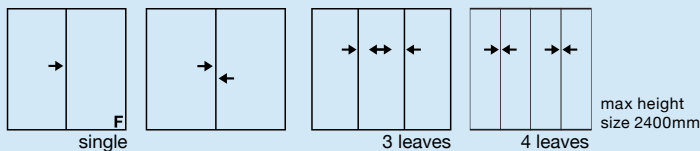
Louwer



Large Size Window Casement



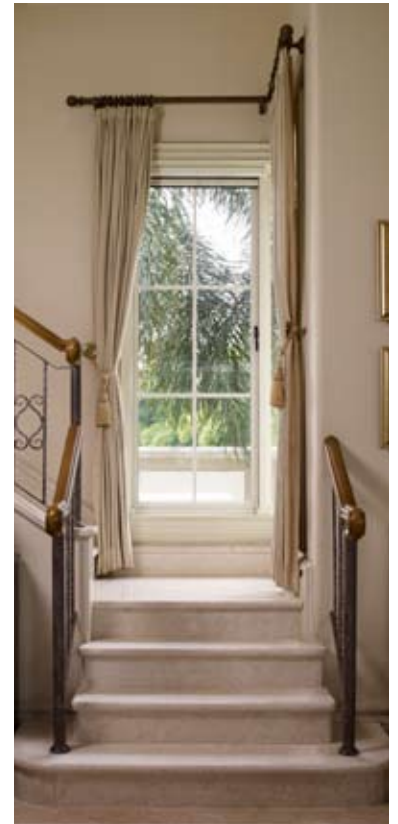
Large Size Window Sliding Door



Lattice



* Please consult with us in using the ornament of Lattice.
We do not recommend Lattice usage for Sliding Window/Door type.



the art of
aluminium
window

YKK
ap

PT. YKK AP INDONESIA

Head Office & Factory:

Kawasan Industri Manis. Jl. Manis Raya No. 23, Ds. Kadu,
Kec. Curug. Tangerang 15810, Banten, Indonesia.

Tel: (021) 591-9073. Fax: (021) 591-9074

Surabaya Branch & Showroom:

GALAXY Mall, lt. 2, No. 231. Jl. Dharmasada Indah Timur 35-37,
Surabaya 60115, Indonesia

Tel: (031) 593-7224 (Hunting). Fax: (031) 596-6174

www.ykkap.co.id