




Energy efficient window & doors with aluplast-technology

# GERMAN SPECIALIST


uPVC WINDOWS AND DOORS



## Nepal Windoor. Specialist. For window and door systems.

Nepal Windoor is pioneer in manufacturing of Best uPVC Windows and Door systems. Our offerings adopts European Technology with all the raw materials of international quality standards ensuring aesthetic finish and durability. Marking its inception in the year 2021, Nepal Windoor is the new one-stop destination for efficient and world-class quality uPVC windows and doors across the Nepalese market with number of branches spread over Kathmandu, Pokhara, Birgunj and many more cities all over Nepal.

Unlike many trade fabricators, at Nepal Windoor we focus on service, quality and innovation rather than simply volume, and this has resulted in a string of Industry and Partners credentials. Experienced staffs are on hand to help with your requirements – whether this is product/ technical queries, installation advice, sales and marketing, or business advice. Nepal Windoor follows the principle of delivering state of the art quality in every length of its products. Nepal Windoor has partnered with a 40 year old German company - Aluplast, which extrudes world class profiles, to ensure the unparalleled quality.



Come with us on a journey through the **world of uPVC windows** and discover their shapes, colours, quality and energy efficiency.

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## uPVC can be found in the most diverse fields of application

uPVC is not only used for construction materials, but also for household-items such as food containers and drinking bottles. Also in the medical sector uPVC finds manifold applications.



# Advantages of aluplast uPVC – windows

uPVC is the most suitable window material and its importance is constantly growing in India and all over the world.

## Coextruded Gaskets

- Excellent insulation against heat, noise, rain, dust, pollution
- Super energy efficient

## Lead Free and Environmentally Friendly

- Profiles made from uPVC raw material are stabilized 100% lead free
- aluplast uPVC profiles are completely non-toxic and harmless for humans and the environment
- Easy to recycle

## Safe and Secure

- Self-extinguishing in case of fire
- Excellent burglary resistance

## Colour Proof and Highly Durable

- No discoloration and top UV protection due to tropical compound
- Resistant against termites, rotting, rusting and corrosion
- Very low maintenance

## Certified quality

- Made according to European Union Quality Standard EN12608 for uPVC window profiles
- Internationally tested and certified by renowned test institutes such as ift Rosenheim, SKZ, RAL



# Tropical Compound

for regions with high UV radiation

In regions with high UV radiation like India, uPVC window profiles need protection against the negative effects of sunlight.

aluplast has therefore developed a special uPVC compound to avoid discolorations. Our “tropical mix” compound has been tested in the U.S.A. and found to be compliant with the weathering requirements of the American Architectural Manufacturers Association (AAMA). aluplast has been supplying uPVC profiles for more than 20 years to areas with very high levels of UV radiation, like the Middle East.



Window and door types are distinguished by their way of installation and method of opening.



**Fixed glazing**

The glazing is inserted directly into the frame – there is no sash that can be opened.



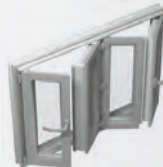
**Tilt-and-turn function**

The window can be opened to the inside and it can be tilted.



**easy-slide**

The sash can be slid to the side to open the window/ door.



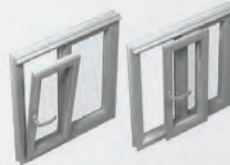
**Folding window/ door**

The sashes can be folded, each running along a runner rail.



**Casement - outward opening**

The sash is to be opened outwards



**Tilt-and-slide window/door**

The sash can be tilted and slid to one side to open.



**Tilt function - opening inwards**

The window/ door can be tilted to ventilate your room but protects from intrusion.



**lift-slide**

The sash is lifted by moving and ensures a much better sealing than a sliding window/ door.



**Turn function - opening inwards**

The sash is to be opened outwards.

Many combinations available ...



# IDEAL range

Windows for living

AN EXCELLENT START

## IDEAL 2000® 60 mm construction depth

- Glazing thickness up to 35 mm
- Thermal insulation value  $U_f = 1.6 \text{ W/m}^2\text{K}$
- Outstanding sound insulation up to sound transmission class IV (43dB)
- 3-chamber profile system
- Special security hardware guarantees the highest level of burglary protection



May be subject to change



THE TRIED-AND-TESTED OPTION

## IDEAL 4000® 70 mm construction depth

- $U_f = 1.3 \text{ W/m}^2\text{K}$
- $U_w = 0.99 \text{ W/m}^2\text{K}^{1)}$
- $U_w = 0.76 \text{ W/m}^2\text{K}$  best possible option<sup>2)</sup>
- Up to 45 dB sound insulation (sound insulation class 4)
- Up to 41 mm glazing
- Available in numerous decor variations
- Available with aluskin® aluminium shells





# lift-slide

Enter a new modular dimension

SYSTEM / BASIC

# lift-slide 85 mm construction depth

- Up to RC2 burglary protection
- Up to 44 dB sound insulation (sound insulation class 4)
- Up to 51 mm glazing
- Available in numerous decor variations
- Available with aluskin® aluminium shells
- Concealed drainage is possible
- Barrier-free option
- Fixframe option

$U_f = 1.6$



BASIC





# smart-slide

The revolutionary tight sliding solution

Good news for you and your customers: the new smart-slide door has top values for heat insulation, statics and sealing, and is impressively easy to operate ... and what's more, it can be manufactured in a short construction time.



THE ALL-ROUND STAR

## smart-slide

- Small construction depth of 70 mm
- $U_f = 1.4 \text{ W/m}^2\text{K}$
- Glazing and panel thickness up to 41 mm possible (single- to triple-glazed)
- Modern classic-line design
- Concealed hardware technology
- Selection of opening mechanisms: schema A + C
- Available in numerous decor designs
- Optional bonding inside (adhesive technology)



CONVENIENT SELF-CLOSING



EXCELLENT SEALING



# Sliding systems

The elegant connection between inside and outside

Enjoy your most beautiful view in the livingroom and let it brighten your life. The aluplast sliding window series can be fabricated individually according to your personal design requirements. You can therefore give the entire living space your own unique style. Experience a brand new standard of living.

## multi-slide

- Glazing thickness up to 32 mm
- Extension profiles for multi-track guide rail available
- Co-extruded gaskets
- Excellent structural values allow for large elements
- Aluminium threshold with integrated drain function
- Easy installation



## easy-slide

- Glazing thickness up to 20 mm
- Elegant design
- Exchangeable gaskets
- Steel reinforcement can be integrated into both frame and sash to ensure excellent structural values

## mono-slide

- Glazing thickness up to 8 mm
- Unique sliding window with fixed and movable elements
- Exchangeable gaskets
- Many accessories available due to the standardized 60 mm frame system
- Integrated PVC interlock for perfect sealing
- Fanlights and different window combinations are available





# Design variants

## The most beautiful style of refinement



An astonishing wood look and a unique feel, combined with all the advantages of a uPVC window: this is what the new, impressive woodec surface for aluplast window and door systems offers. Use this advantage for yourself and your customers!

**NEW**

aludec  
inspired  
by style

After the successful introduction of the woodec surface, a new surface generation is now coming: aludec.

aluplast is once again a pioneer in this area and very successfully takes up design ideas from the areas of interiors and living. After having introduced the trend to refine windows with high-quality surfaces with woodec, another surface generation is now available: aludec offers the high-quality look of an aluminium shell paired with simple uPVC profile processing.

Offer your customers a variety of colours in aluminium-look, a pleasant feel and protect the environment at the same time!

aludec traffic white

aludec window grey

aludec umbra grey

aludec basalt grey

aludec jet black

aludec DB703

aludec anthracite grey

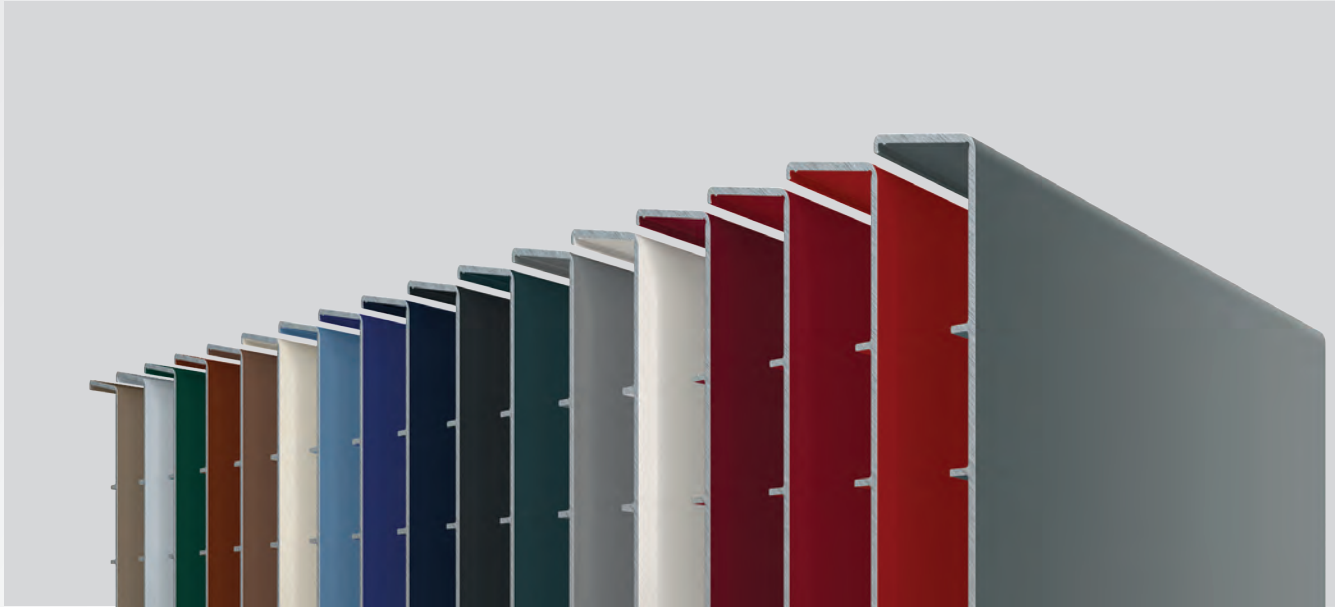
Perfect aluminium look and a pleasant feel: aludec offers the high-quality look of an aluminium shell combined with easy processing and a pleasant feel.

It has never been easier and more resource-saving to produce a uPVC window in aluminium look!



aluskin

The intelligent mixture of uPVC and aluminium.

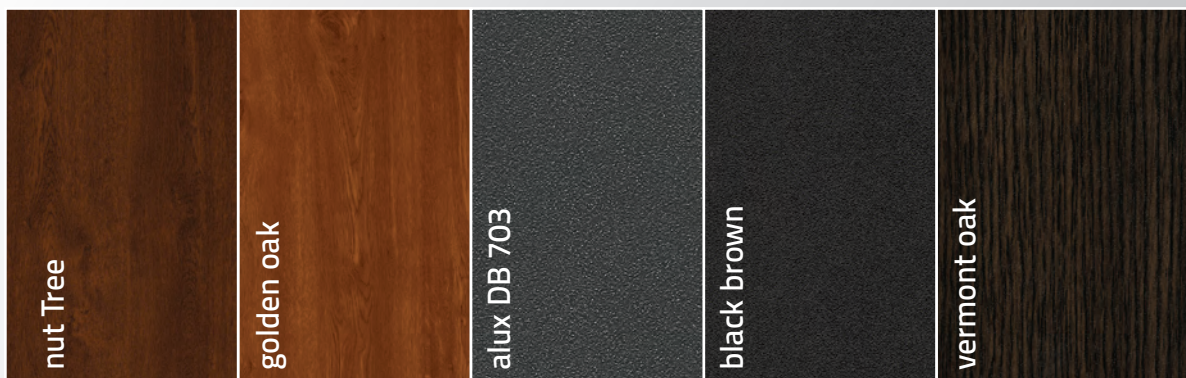


## aluskin - Elegant aluminium skins

Refine your windows' look: with aluplast aluminium shells. The trick lies in combining the advantages of the two materials: the excellent thermal insulation properties of uPVC windows and the modern look of aluminium. The result of this interplay is a product of the highest technical standards that combines beautiful design with individuality. The aluminium shells can be coated in all RAL colours, leaving no wish unfulfilled.

## Laminations for an individual look

Do you like wooden windows but you don't want to repaint them every few years? Combining the natural look of wooden windows with the easy-care properties of PVC, aluplast wood finish designs are the perfect solution.



# Noise reduction - feel the silence & the comfort

Open Window ~ 80 dB  
(heavy traffic)

Old Window ~ 60 dB  
(single glazed)

Standard Window ~ 48 dB  
(double glazed)

uPVC Window ~ 35 dB  
(Ideal 4000)

## INFLUENCING FACTORS

1. Frame
2. Glazing
3. Glass Packers
4. Installation

## PLEASE NOTE

Reduction of 10 dB (decibel)  
will reduce noise by 50 %

## NOISE PROTECTION

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.



# Sound insulation - for a better quality of life

dB (decibel) is commonly used in acoustics to quantify sound levels perceived by the human ear.

Noise has an immense impact on our quality of life. The results are sleep loss and continuous stress that can cause permanent damage to

our health. uPVC windows are an effective protection from noise and create a permanently pleasant atmosphere.



# Hardware - essential background

Hardware has a wide range of functions. It connects the window frame with the sash and allows operation of windows and doors. For this reason, we would like to present some interesting facts about the Hardware in uPVC windows that will help you with your decision making



## **SASH LIFTER**

Tilt-and-turn hardware lifts the sash into the correct position with minimal effort and guarantees a long service life.



## **LOCKABLE HANDLE**

When it comes to security multiple options are available. This includes a lockable handle which can increase the window or door security by restricting operation as required.



## **TURNING HANDLE**

The essential operating control of a window fitting is the turning handle. A simple turn of the handle can open, close, tilt or fold the window or door.



## **MULTIPOINT LOCKING**

Increased security thanks to a multipoint locking system. The system guarantees basic security.

Based on the great variety of windows, there are hardware systems for all window types. The hardware is a significant component of the window, especially for handling and security. The hardware for the most common European tilt and turn systems offers the best safety, security and comfort for your home. However, good hardware for casement and sliding systems is also available.

## **PLEASE NOTE**

We will be happy to show you further detailed information on hardware.

# Glazing - a visible part of the window

The importance of window glass has also been integrated in your window choice. Many solutions are available:

## **DOUBLE GLAZING**

Double or even triple glazed units are separated by an air or other gas space like Argon, to reduce heat transfer and / or sound transmittance across a part of the building envelope. In modern insulated glass units, the space between the glass panes is kept dry by the use of desiccant and the edges are sealed to eliminate possible condensation and provide superior insulating properties.

## **LOW E GLASS**

Low Emissivity ("Low-E") glass has a special invisible coating bonded to the glass inside the double glazing unit. This coating reduces heat loss from the home, by essentially acting like a "heat mirror" that reflects heat back into your home. Low E can also reduce solar heat gain that can overheat your house, while also insulating your house from the temperature outside. Low-E glass greatly enhances the insulating performance by as much as an additional 60% compared to standard double glazing.

## **TOUGHENED GLASS**

A type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. Fully toughened glass is approximately 4 to 5 times stronger than heat treated glass of the same thickness when exposed to uniform static pressure loads.

## **LAMINATED GLASS**

Two or more panes of glass permanently bonded together with one or more interlayer. Laminated glass offers good acoustic insulation and a high protection factor against burglary.

## **VISIBLE LIGHT TRANSMISSION**

VLT is the percentage of visible light passing through the glass. The higher the VLT, the more light is transmitted.

## **SOLAR HEAT GAIN COEFFICIENT**

The Solar Heat Gain Coefficient, SHGC, measures how well a window blocks heat from the sun. Therefore, the lower the SHGC, the lower the amount of heat gain. SHGC ratings are shown as a number between 0 and 1. The lower the number, the better the window is at blocking solar heat.



## **PLEASE NOTE**

The solar heat gain coefficient should be as low as possible while the light admission should be as high as possible. We will be pleased to help you.

## OUR SHOWROOMS

### KATHMANDU

Carpenter Stop  
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9802301426/9851029699  
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### CHITWAN

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9845140177/9855063302  
modulasfurniture.ngt@gmail.com

### BIRGUNJ

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### POKHARA

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