



# ARUTECH

best windows



## PVC windows for the best quality!



# COMPANY

ARUTECH PARIMAD AKNAD was established in 1999, based on Estonian private capital. The company is specialised in the production of PVC windows, doors and partitions.

ARUTECH PARIMAD AKNAD has been awarded the quality assurance (ISO 9001:2008) and environmental management (ISO 14001:2004) certificates, and also CE-marking (EVS-EN 14351-1:2006+A1:2010). The CE-marking asserts that ARUTECH PARIMAD AKNAD windows produced from GEALAN profile have successfully passed the tests and comply with the European requirements for the manufacturing of windows.

Today, ARUTECH PARIMAD AKNAD is the leading company in Estonia in the manufacturing of windows from 6-chamber profile.



Company founder  
Areg Arutyunyan



# Form and Function

## Windows from the company ARUTECH PARIMAD AKNAD

PVC windows are far from being similar. The differences in the way the profile sections are put together have significant effects on the technical properties of the window. The windows of ARUTECH PARIMAD AKNAD are made of the latest generation of GEALAN profile, which gives a great looking external view to the windows, and more. The geometries of the flawless profile sections have also been perfected right down to the last detail to satisfy all technical demands. From thermal and sound insulation to break-in protection and ventilation, windows made from GEALAN PVC profile sections are made in line with state-of-the-art technology.



### Resistance

Windows made of PVC profile sections are easy to clean and maintain. Resistant to most climatic and environmental influences, they have a long service life.

### Flexibility

Modern window technology can be realised with due regard for different tastes and architectures – not only in white but also in acrylcolor or with a décor or wood-grain laminate.

### Individuality

The choice of the profile geometry, opening mechanism and windowpane subdivision influences the individual character. ARUTECH can make unusual window forms.

### Convenience

Windows of ARUTECH from multi-chamber systems ensure that the heat remains inside and the noise outside. They provide security and comfort and exude an unmistakable living atmosphere.



# GEALAN S3000

PVC windows with elegant design will keep your home warm and serve as the interior decoration. A large selection of micro ventilation devices will create a pleasant microclimate in your room. There are millions of windows of System S 3000 installed in the world; they have asserted their quality and relevance. Due to the special design features of sections and partitions, window profiles have high technical performance. The heat transfer resistance coefficient of the profile, its stability and the durability of welded corners are rather impressive. Windows of ARUTECH PARIMAD AKNAD have a conceptual design of a frame rebate, which provides easy care during the windows washing process.



## Facts concerning S 3000:

- Width of profile 62 mm. Profile has 3 chambers.
- Adequate stability.
- Excellent heat transfer resistance coefficient (R-value).
- Windows of that profile are easy to wash.
- Good protection against forced entry.
- Along with white-coloured profiles, we offer profiles laminated with decorative films.
- Ecologically sound! Manufactured without any lead. Also, recommended for use in buildings for children and medical usage.

We produce windows of the three-chambered profile GEALAN3000. These windows are equipped with a double glazed unit of 4/16/4 sel. with argon chamber ( $U_g=1,1 \text{ W/m}^2\text{K}$ ), and the finished product has a thermal conductivity ratio of  **$U_w=1.5 \text{ W/m}^2\text{K}$** .

# GEALAN S8000 IQ

Classics of the genre among all systems. The elegant profiles of S 8000 IQ have pronounced classic lines and soft contours. Due to the width of a mounting section equal to 74 mm, they meet all the requirements of construction projects where large window structures with higher resistance ratio are applied. The System S 8000 IQ has 6-chamber profiles, in order to ensure decent performance values of the heat transfer resistance ratio.



## Facts concerning S 8000 IQ

- Mounting width of a profile 74 mm
- Profile has 6 chambers
- Increased R-value – perfect thermal insulation
- Ideal protection against forced entry (with MACO fittings)
- Excellent statics for large windows
- Along with white-coloured profiles, we offer coloured profile "acrycolor" and profiles laminated with decorative films
- Ecologically sound! Manufactured without any lead.
- Also, recommended for use in buildings for children and medical usage.

Today, more and more customers are ordering windows with 6-chambered GEALAN S8000 IQ profile. This window may be equipped with two types of multiple glazed units:

• 2k4-16arg-4sel double glazed unit ( $U_g=1,1 \text{ W/m}^2\text{K}$ ); the finished product has a thermal conductivity ratio of  **$U_w=1.3 \text{ W/m}^2\text{K}$**

• 3k4-14argon-4sel-14arg-4sel triple glazed unit ( $U_g=0,6 \text{ W/m}^2\text{K}$ ); the finished product has a thermal conductivity ratio of  **$U_w=1.0 \text{ W/m}^2\text{K}$**

Triple-glazed unit with plastic frame, 44 mm:  
3k4-16TGI argon-4sel-16TGI argon-4sel ( $U_g=0.5 \text{ W/m}^2\text{K}$ ); the thermal conductivity of the finished product (window) is  **$U_w=0.86 \text{ W/m}^2\text{K}$**

# GEALAN S 9000

The new GEALAN S 9000 triple sealing profile system brings together the advantages of middle seal and rebate seal systems. A large construction depth of as much as 83 mm, 6 chambers inside sash and frame profiles and 3 levels of gaskets ensure an even better thermal and sound insulation. The windows made of the profiles of such system are in conformity with the requirements of energy-efficient windows.

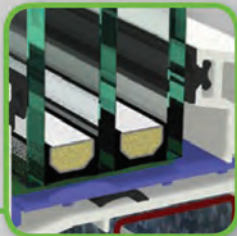
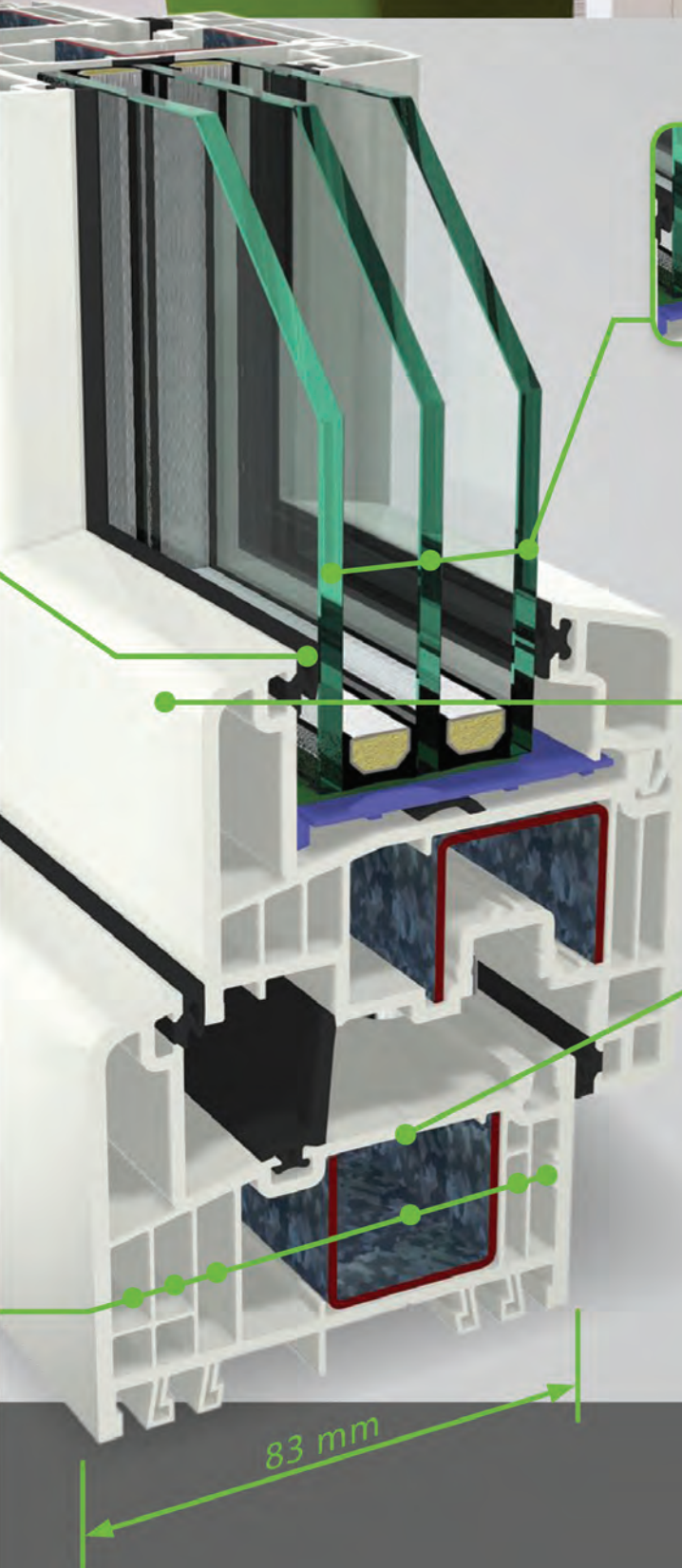


## Option of triple seal or only rebate seal method.

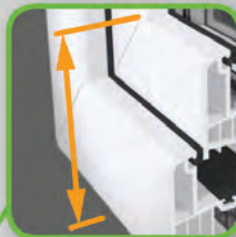
The third middle thermal gasket does not only enhance the characteristics of thermal and sound insulation in a window but also protects the window hardware against outside moisture. S 9000 system profiles for non-opening windows are supplied without the middle thermal gasket.

6 chambers inside the profile, their geometry and layout in both frame and sash profiles, as well as a large construction depth, determine excellent properties of thermal and sound insulation.





There is an option to use up to 54 mm thick triple glass window panes.



A narrow visible profile part and a classical round-shaped design match the elements of contemporary architecture.



3 thermal gaskets ensure an even greater tightness.



# S 8000 IQ entry doors

## Solid and appealing business card of your house

The appealing entry door is rightfully seen as the business card of your house and the manifestation of high architectural style. Doors give the façade its original style; they can be simple and reliable from the point of view of structural features, while having an inimitable outlook of modernity. To attain the high resistance performance of the door unit, the internal partitions of the profile in the S 8000 IQ system are designed so that the use of large size reinforcement is enabled. Thanks to the special location of partitions of the 74mm wide profile, the use of steel reinforcement of heightened rigidity for 30% was enabled. Reinforcement

has been milled for the lock. The doorstep holders existing in other systems also suit the S 8000 IQ system and provide firm connection of the door leaf of the doorstep. Various completing details enable the manufacture of the doors of different configuration and types. It is possible to use different accessories and locks, and also fillings of the door leaf (available on the market). Door units can be both right hand and left hand opening. Door leaves are supplied coloured in acrylcolor and with profile, and are laminated with decorative films.



## Door profiles 8012/8076

- High profile of reinforcement in leaf and frame
- High resistance and exclusive stability
- Excellent thermal and noise insulation
- Narrow visible part
- Wide selection of versions
- Excellent burglary security



## Doorstep of PVC

Doorstep from shockproof PVC of 20 mm height is suitable for installation in curative-rehabilitation centres: hospitals, sanatoria etc., for unimpeded and rapid movement on special devices. The doorstep from shockproof PVC falls in line with contemporary building concept of the residence for disabled people, and has no barriers. It successfully completes the general system of doorsteps from aluminium, from aluminium with thermal divider, and also the doorstep from highly durable glass fibre with high value of the above resistance to heat conductivity. The low heat conductivity of PVC as a material provides a high value in regard to the heat conductivity of the doorstep manufactured from it, as it reliably protects the lower part of the door from heat loss.



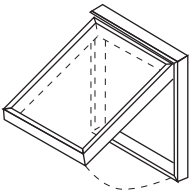
# WINDOWS

## Nordline – main advantages:

- Frame width 120 mm; sash depth 70 mm.
- Heat insulation with standard glazed unit –  $U_w = 1,2 \text{ W/m}^2\text{K}$ .
- Heat insulation with triple glazed unit –  $U_w = 0,9 \text{ W/m}^2\text{K}$ .
- Glazing unit width up to 40 mm.
- Modern design with round corners.
- Optional hidden drainage possibility.
- 4 and 5 chamber system as standard version.

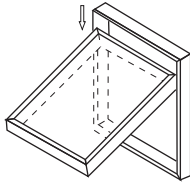


### Top Hung



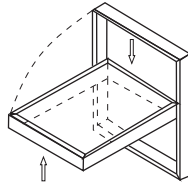
Width min: 293  
max: 1500  
Height min: 205  
max: 1500

### Projecting Top Hung



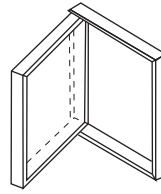
Width min: 239  
max: 1500  
Height min: 205  
max: 1325

### Top Swing Reversible



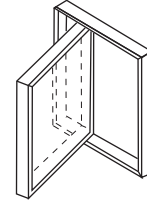
Width min: 293  
max: 1500  
Height min: 275  
max: 1574

### Side Hung



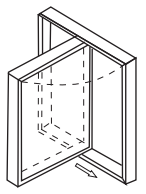
Width min: 350  
max: 1100  
Height min: 293  
max: 1900

### Projecting Side Hung



Width min: 398  
max: 820  
Height min: 293  
max: 1900

### Side Swing Reversible



Width min: 322  
max: 847  
Height min: 293  
max: 1900

## Balcony glazing

- Glazed balconies are like the second living rooms of the house.
- Balcony glazing provides extra space for recreation and utility, because it keeps the elements, like wind, snow and rain, out.
- Balcony glazing also reduces the noise levels by up to 50%.
- Durable, safe and easy to use.

ARUTECH Balcony Glazing represents a Nordic sliding glass balcony system without vertical profiles, which suits both new and renovated buildings.



## Terrace glazing

Terraces and porches represent an efficient way to increase living space. They bring you closer to nature by joining the inside and the outside. Terrace glazing extends the usable time during colder months of the year and can make a terrace usable throughout the year with extra heating. ARUTECH Terrace Glazing represents a simple and reasonably priced solution to achieve those very things.

ARUTECH Terrace Glazing system is easily operable, strongly built and without vertical frames. The plastic components used in ARUTECH Terrace Glazing system are made from a weather and UV resistant plastic, also all the metal parts are made from stainless steel. Together, these two materials give the system a long life span.



# Sliding doors

Spacious rooms full of sunlight give a special kind of elegance to the interior of a house. A sliding door is the best solution to achieve a seamless transition between the interior and the comfortable terrace, balcony or garden. The house becomes a part of the surrounding nature with this solution.

The sliding door is the best solution for large openings in the building's design. Wide door panels can be moved to the sides, because the sliding parts move very easily and are not restricted in any way.

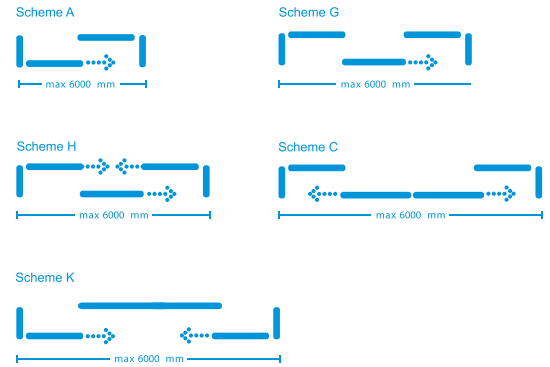
And the possibilities of GEALAN sliding doors don't stop with that! The doors don't hinder or restrict the usage of the living space thanks to its special construction as the frames simply rise up and slide to the side when you open the door.





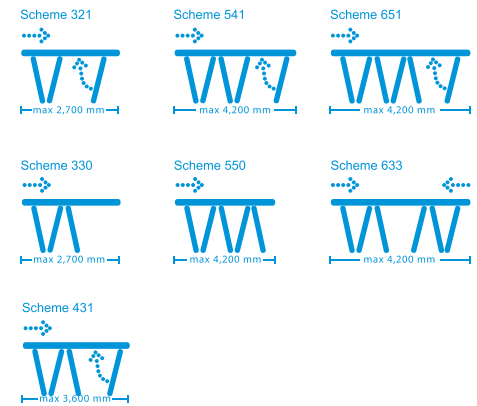
### Lift slide door (HST Portal)

Ball bearings make sliding the movable casement easy. The fixed and the movable casements are installed separately on two levels. The design is suitable for large passageways.



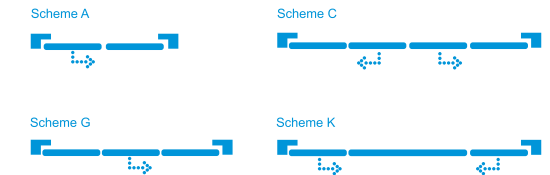
### Folding sliding door (FS Portal)

The casements can be folded together and pushed to the side. This allows opening up large rooms and providing access to the outside.



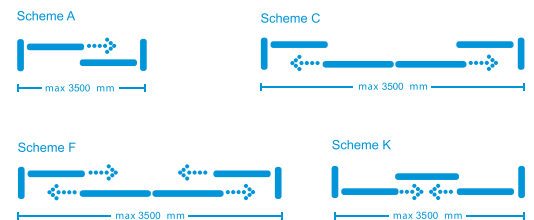
### Parallel slide tilt door (PSK)

The PSK's movable casement can be tilted like a window and slid to the side. This variant is usually suitable for openings up to 3,3 meters.



### Sliding door — mobile sashes (SF)

Sashes are movable to right or left, allowing different openings. The frame profile is 74 mm, but sashes are thinner.



# Shed light on the dark

## With the GEALAN sliding window

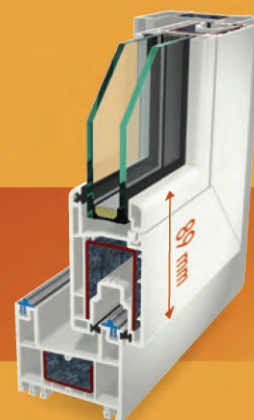
More light, more air, more space. This slogan applies to the sliding windows too. With these, the window sash never gets in the way and you can push it to the side easily and safely, even in case of large window elements.

A completely new slide system was developed for the Southern European market based on a construction depth of 74 mm. It consists of two sash, for a sliding window and a sliding door, an innovative frame and

numerous accessory profiles such as a slide rail, a sash covering strip with integrated labyrinth function, a glazing bead for 24 mm glazing and a variety of reinforcement profiles. For the new sliding system there is full attachment compatibility with the existing systems with a construction depth of 74 mm due to the identical base geometry of the frame. This enables first-time direct connection without having to offset the construction depth.

Glass thicknesses of up to 26 mm possible (glazing bead up to 28 mm glazing in preparation).

Discover the benefits of the GEALAN sliding door too. You can find more information at: [www.gealan.de](http://www.gealan.de).



Narrow face width of 73 mm for a streamline look.

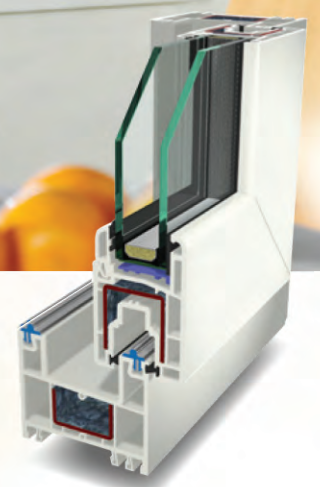
Wider overlap on outside for better drainage.

Sloped rebate base for outside drainage. Very easy to clean due to a large-dimensioned frame rebate.

The slide rail consists of a weather-proof anodised material. Groove filler available in base body colours for closing off the running groove.

The frame has a construction depth of 74 mm. This provides full compatibility with the existing systems with a construction depth of 74 mm.

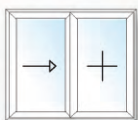
High quality brush seals with an added plastic web ensure optimum impermeability.



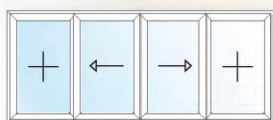
## Colour

### Classic white or with decorative laminate

For all those who value a natural look but do not wish to go without the advantages on modern window technology, there are plastic windows with a decorative wood decor look. This way you can make the right choice. Decorative wood decor look windows have all the positive characteristics of modern plastic windows while maintaining the decorative effect of wood.



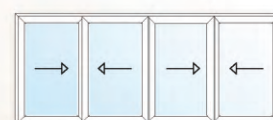
Scheme A



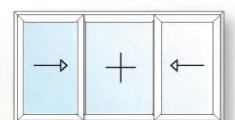
Scheme C



Scheme D



Scheme F



Scheme K

# Acrylcolor

## Colour acclaimed!

Coloured window frames accentuate the design of the façade. In this way, residential houses become attractive eye-catchers with their own unmistakable “calling card”. Not even the most unusual designs or typical colour nuances of a region pose a problem. When our windows show their true colours, variety is the order of the day with shades to suit every environment. All tones are covered, from elegant white to fine state grey. It also goes without saying that they are non-fading and RAL-tested – because quality is of top priority for ARUTECH PARIMAD AKNAD with coloured plastic windows too. That is why we manufacture our acrylcolor profile sections using a special colouring process in which the white PVC

base element and the coloured acrylic glass are bonded together inseparably. The outer, coloured acrylic glass coating is scratchproof and highly resistant to weather influences, such as sunlight, wind, rain, cold and temperature fluctuations. The silk-matt, smooth and porous surface is non-sensitive to the accumulation of dust and dirt and, because there is no flaking or chipping, there is no need for bothersome re-painting. Acrylcolor windows are virtually maintenance-free and extremely easy-care. They repel dirt and can be cleaned with standard cleaning agents. The unsurpassed colourfastness of the acrylcolor profiles remains a fascinating feature for the entire service life of the windows.




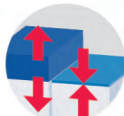
### Standard colours of acrylcolor





1   slate gray / RAL 7015	7   red-brown / RAL 3011
2   ultramarine / RAL 5002	8   swampy green / RAL 6005
3   grey / RAL 7040	9   agate-grey / RAL 7038
4   dark-brown 02 / RAL 8022	10   milky white / RAL 9001
5   dark-brown (sepia) / RAL 8014	11   aluminium metallic / RAL 9006
6   white / RAL 9010	12   silvery metallic / RAL 9007


### Acrylcolor is...


- 

1. Not a varnish coating or a laminate
- 

2. Approx. 0.5 mm thick, which is more than all varnish coating
- 

3. Scratchproof and non-sensitive
- 

4. Inseparably bonded with the profile section
- 

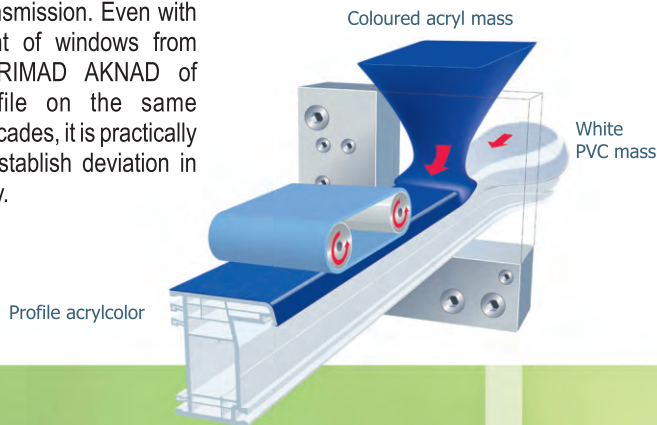
5. Protected against flaking and chipping
- 

6. Easy-care and low-maintenance

## Acrycolor – durability of colour

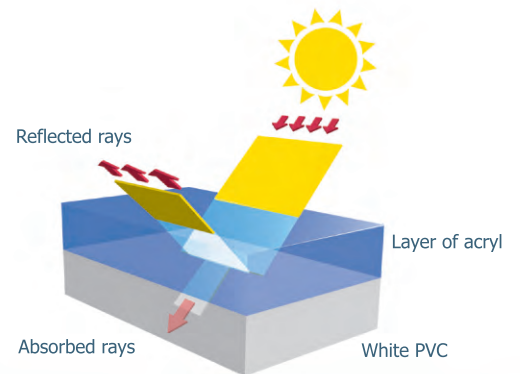
The co-extrusion method has been successfully used for almost thirty years. In the thermal process, the base of the white profile, after heating of the material, merges with the melted liquid acryl. The coloured layer of acryl is applied to the surface of the white profile. The acrycolor profile exits from the nozzle of the co-extruder in two colours.

This process is the guarantee for ideal colour transmission. Even with the replacement of windows from ARUTECH PARIMAD AKNAD of acrycolor profile on the same building after decades, it is practically impossible to establish deviation in heat conductivity.



## High reflection capacity

The acryl layer allows the penetration of solar rays. As a result, the main white profile reflects the major part of solar rays, passing through the acryl layer. Therefore, the coloured profile does not heat significantly more than the white profile.



# acrycolor



# Elegant Embellishment

## Wood décors

When designing façades, there is a good alternative for those people who value a natural appearance without dispensing with the advantages of modern window technology: plastic windows with a wood décor look. They are equally well suited as classic style features in the renovation of old buildings, as well as design elements that blend in with the landscape. Discerning architecture is given a special aesthetic touch with wood décor windows. On request, wood décor windows from ARUTECH PARIMAD AKNAD can be supplied with a double-sided laminate. Brown-coloured profile sections are used here for optical reasons, thereby producing a natural look when the windows are open, further emphasising the decorative effect of the wood.

Modern window technology is implemented in line with the house type and your own personal taste.

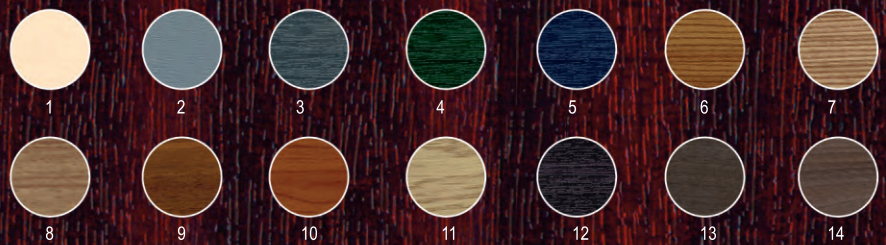


### Standard colours with texture à la wood



1   Oregon IV	4   Mahogany
2   Golden oak	5   Swamp oak
3   Oak	6   Nut

### Non-standard colours with texture à la wood



1   Creamy white	6   Douglas	11   Steely nut
2   Silvery grey	7   Mountain pine	12   Chocolate brown
3   Grey anthracite	8   Natural nut	13   Siena PN Noce
4   Green silver fir	9   Nut	14   Siena PR Rosso
5   Steel blue	10   Cherry	



# Versatility

## Unlimited opportunities

If you accord much importance to designing your façade and are a fan of modern window technologies, you have one alternative: coloured PVC windows, i.e. the windows with profiles, laminated with decorative films (décor à la wood). They are designed for glazing ancient historical buildings, as well as for the harmonious design of any architectural style. In coloured windows with texture à la wood, the film is applied on the profile of the brown colour in the mass both on one side and on two sides. In this way, at the opened door side, the whole colour design conforms to the single decor of wood.

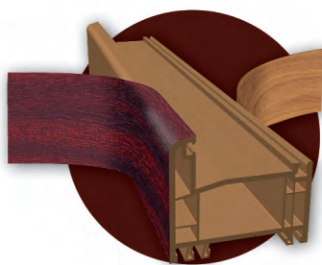


Coloured films for any taste



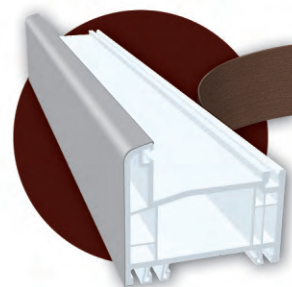
Wide selection of colours and patterns.  
Ideal imitation of wood texture.  
Various colours and decors.

Double sized covering



The option to laminate the profile with various films on both sides – this is an excellent chance to select the colour of the window to suit the facade and interior design of your house.

Acrylcolor + laminate



The opportunity to laminate the profile of acrylcolor of the inner side.



# Roller Blinds

## High quality aluminum roller blinds for:

- Interior or exterior installation.
- Installation as rolling garage doors.
- Buildings under construction.
- Installations in shopping malls.

## We offer:

- More than 150 colors, according to German RAL Catalogue.
- Protective roller blinds for effective protection against forced entry, approved by German Association of Property Insurers (VdS) and Insurance companies of Estonia.
- Various versions, variable in prices and engineering solutions.

## Protective functions of aluminum rolled blinds

- Protection against forced entry.
- Protection against heat and cold.
- Protection against sunlight.
- Protection against noise.
- Protection against unauthorized observation.





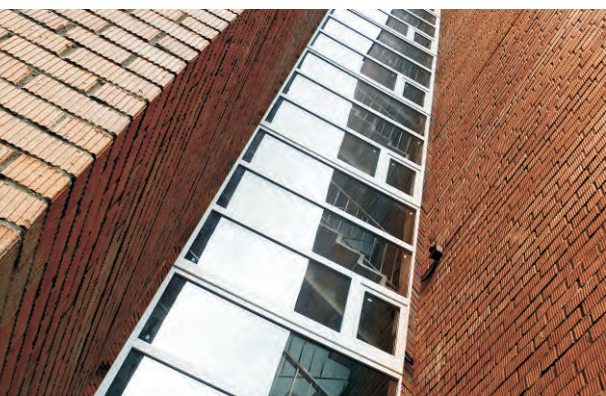
# Knowing PVC

PVC has shown to be the best choice for windows. It has become the most efficient and durable material for the manufacture of windows and doors.

## Main characteristics you should know:

- **INSULATION:** PVC is a natural insulation material that does not transmit either the coldness or the heatness. It creates a natural thermal barrier that protects your home, saving at the same time a lot of energy. PVC profiles have inside chambers that divide the inside of the window. In this way, the outside temperatures are never in contact with the comfort temperature of the inside. Also, the corners are thermally sealed, which guarantees a total impermeability.

- **MAINTENANCE PVC:** PVC windows keep unchangeable during all its life span.





CONFORMITY DECLARATION

ARUTECH PARIMAD AKNAD OÜ  
 Peterburi tee 47B  
 11415 Tallinn

To the presents we declare, that PVC windows and doors, which are provided for use in inhabited and uninhabited structures,

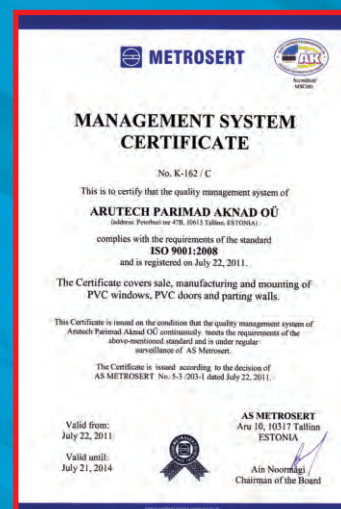
systems:  
 GEALAN 3000  
 GEALAN 8000  
 GEALAN 9000

conform to requirements, which are established in the standard

EVS-EN 14351-1:2006+A1:2010 „Windows and external doors. The standard of product, the characteristic of productivity. A part 1: To which windows and doors don't show requirements of fire –prevention and fire-resistant “

Primary tests (ITT) of production has carried out „IFT Rosenheim GmbH“ (authorized organ No. 0757) Theodor-Gietil-Strasse 7-9, 83026, Rosenheim, Germany.

Declared characteristics and classes of productivity you will find here [www.arutech.ee](http://www.arutech.ee)



ARUTECH PARIMAD AKNAD

Export department  
 Tel./Fax +372 661 03 65  
 GSM: +372 555 13 039  
 E-mail: [export@arutech.ee](mailto:export@arutech.ee)  
 SKYPE: [export.arutech](https://www.skype.com/name/export.arutech)  
 Peterburi tee 47B,  
 11415 Tallinn, Estonia  
[www.arutech.ee](http://www.arutech.ee)

Our partner

