

 Instructions for use and maintenance  
of the **SHUTTERS** sliding panel system

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**Aluprof SHUTTERS system**

The product meets the CE safety requirements

**Construction Products Contact Point**

<https://punkt-kontaktowy.gunb.gov.pl/>

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**Important safety instructions.**

**WARNING!**

**Compliance with this Manual is essential for personal safety.  
Keep this Manual for reference.**

If the instructions contain unclear phrases or if there are any doubts as to their interpretation, we recommend contacting the manufacturer before installing or using the product.

## 1. INTRODUCTION

All products made by Aluprof are designed in compliance with first-class standards of performance, aesthetic values and operating convenience. The design deliverables from Aluprof engineers are based on the state of the art in design engineering, and the production ownership uses the latest know-how in manufacturing. This ensures safety of operation of Aluprof products.

### 1.1. Symbols and nomenclature

**Manufacturer** – means an entity that manufactures and places a product on the market under its own name or trademark. The product is Shutters.

**Supplier** – means any natural or legal person who supplies a product of another manufacturer to the market. The supplier may also be the product installer.

**Product user** – the person using the installed product.

**Shutters** - External sun protection in the form of a system of segmented sliding walls, suspended on trolleys on the upper rail and guided in the lower rail, filled with horizontal manually rotated slats. Mounted vertically to the supporting structure or in front of the window or within the opening in the external surface of the building. The system has no drive.




**Shutters** - A part of the product made of extruded aluminium profiles with a parallelogram cross-section, designed to fill the frames of the Shutters system. The slats are connected to each other by hidden cables and can be manually rotated around their axis. The shape of the slats provides an aesthetic cover against sunlight and a high degree of darkening.

**Upper guide** - part of the product, made of extruded aluminium profiles, designed to suspend Shutters frames, constituting their running track and transferring the load to the external structure. It allows 2 or 3 frames to be run side by side, depending on the version. It requires fixing to a supporting structure of adequate rigidity.

**Bottom guide** - Part of the product, made of extruded aluminium profiles, designed to stabilise Shutters frames. Requires attachment to a stable surface. Available in 2 and 3 track versions.

**Mobile trolley** - Part of the product, consisting of a die-cast body and 4 ball-bearing wheels on 2 axles. Ensures suspension and stable movement of the frames in the top guide. Each frame has 2 carriages.

The special information indicated by graphical symbols in this manual requires careful reading and understanding.

Pictogram	Meaning	Description
	INFORMATION	This symbol indicates important information to read and understand. It does not relate to any hazardous or harmful conditions of the product or people.
	NOTE	Indicates risks of damage to the product.
	WARNING	Indicates all safety-relevant information, non-compliance with which will cause a hazard of injury or death.

### 1.2. General information

The supplier is not responsible for losses resulting from failure to comply with these instructions, except for defects on the part of the supplier.

 The manufacturer will not accept any liability for damage caused by incorrect operation and/or maintenance of its product.

We are constantly working to improve the Shutters system and enhance the quality of service and safety of use.

## INSTRUCTIONS FOR USE AND MAINTENANCE OF THE SHUTTERS SLIDING PANEL SYSTEM



This manual is intended for users of the Shutters system and should be read before first use. It contains essential information to ensure safe use and proper maintenance of the product. The manual should be kept for the entire period of use of the product. If the product is sold, this manual should be provided with it.



The owner of the Shutters system is responsible for informing other users about the information contained in this manual and instructing them on how to use the product in accordance with the recommendations.



- The manufacturer will not accept any liability for damage caused by incorrect operation and/or maintenance of its product.
- No warranty claims for damage caused by force majeure, inclement weather, and normal wear and tear will be accepted.
- The manufacturer will not be liable for any alteration or improvement made to the product structure or outfitting it with any accessories not approved by Aluprof S.A.

### 2. SAFETY REQUIREMENTS

Compliance with the conditions set out below is required to ensure the safety of users and the operation of the product. The conditions relate to the place and manner of use of the product.



Extreme safety precautions are required for small children and the disabled. The guardians of children shall be liable for compliance with the safety instructions provided by the product manufacturer.



Every care must be taken with regard to safety within the area of influence of the product on other objects or devices.



Do not touch moving parts while the product is in operation, as this poses a health hazard and may cause damage to the product.



The product can be installed on a window, door, curtain wall or façade at a distance of no more than 0.5 m.

### 3. PRODUCT INFORMATION

The Shutters sliding panel system is a movable wall system with rotating slats, designed to protect against the effects of sunlight. It can be used as a decorative and elegant architectural element to separate and arrange spaces.

The system consists of lightweight and durable aluminium frames suspended on roller carriages. Together with the upper guide (which acts as a track) and the lower guide (which acts as a guide), it forms a complete system. The frames are filled with trapezoidal slats, connected by a hidden tie rod and manually rotated around an axis, and the quick and safe installation allows for a wide range of product applications.

The product is intended for use by individuals and legal entities in the private sector (e.g. single-family homes) and the public sector (e.g. restaurant gardens, hotels, etc.).

The most important features of the Shutters system include:

- easy installation and operation,
- immediate arrangement of space,
- possibility of running three frames parallel to each other,
- limiting sunlight access and protecting against the view of bystanders,
- possibility of manually adjusting the angle of the slats within a wide range,
- possibility of changing the angle of inclination by rotating any slat,
- easy movement and stopping in any position, thanks to suspension on ball bearing carriages,
- zero emission of toxic substances during operation,
- impediment to precipitation penetration when the sash is completely closed,
- no power supply,
- installation on a load-bearing and rigid substructure.


**3.1. Technical parameters**

Total height (with guides)	2800 [mm]
Total length (of guides)	6698 [mm]
Maximum frame width	1500 [mm]
Maximum frame height	2725 [mm]
Frame guide	Top two trolleys per frame, suspended in the top guide
Axial spacing of carriages in the frame	Carriage axles at a distance of 1 of the width from the ends of the frame
Width/height of upper guide (guide track)	149 [mm] / 34 [mm] (three-track)
	100,5 [mm] / 34 [mm] (double track)
Width/height of the lower guide (guide track)	149 [mm] / 20 [mm] (three-track)
	100,5 [mm] / 20 [mm] (double track)
Number of tracks in one guide	3 (for the three-track version) / 2 (for the two-track version)
Permissible compensation for misalignment between guides	max. 10 [mm]
Axial spacing of the slats	86 [mm]
Width/thickness of the blade	95,4 [mm] / 18,4 [mm]

**4. OPERATION AND USE**

The Shutters system and its components have been designed so that no part of it is permanently deformed during normal use.

The visual condition of the product should be checked regularly. If any irregularities are found, the product should not be used. In such a situation, we recommend contacting the supplier or their authorised representative.

 The use of a damaged or incomplete product and unauthorised repairs may pose a threat to health and life and may void the warranty.

**4.1. Use**

When using the product, pay attention to the following recommendations, as failure to comply with them may result in damage to the product:

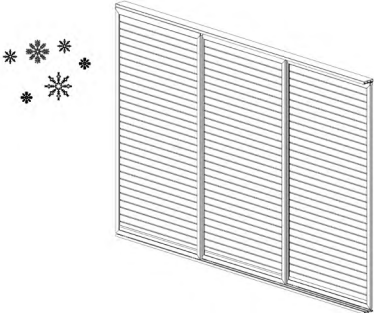
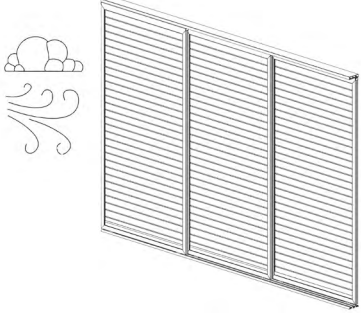


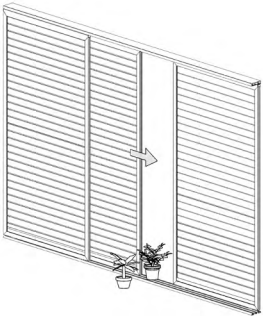
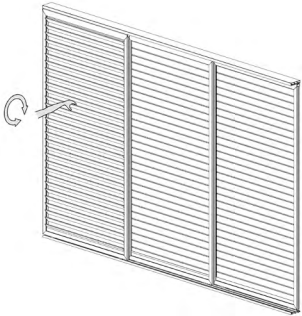




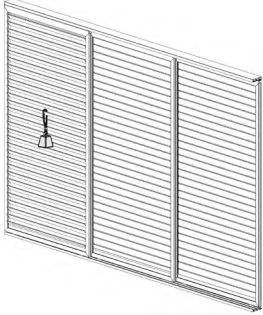


- The product is safe to use provided that the recommendations contained in the documentation are followed and it is installed correctly.
- The product should only be used for its intended purpose.
- Before using the product, the end user should carry out an individual risk assessment of its use, with particular regard to the safety of children and persons with disabilities.
- It is forbidden to use a faulty or incomplete product, as well as to carry out makeshift repairs.
- It is forbidden to interfere with the structural part of the product. Any changes will result in the loss of the warranty for the strength and stability of the entire product.
- Do not put your hands or objects between moving slats and other moving parts.
- Do not put your hands between the moving frames.
- Do not step between the Shutters frames while they are moving.
- It is forbidden to put your hands in the guide grooves and trolleys.
- Close the slats before moving the frame.
- Do not move the Shutters frames to the end supports abruptly or with excessive force.
- The area where the Shutters frames move should be free of any obstacles and objects (e.g. cables, twigs, leaves).
- It is forbidden to climb, load or hang people or objects on the shutter structure (this does not apply to the bottom guide).
- It is forbidden to attach any objects to the product without the express written consent of the manufacturer.

Improper use of the product may result in:

- Hazards to users;
- Risks of damage to the product;
- Partial or total loss of the product performance;
- negatively affect the aesthetics of the product.


# INSTRUCTIONS FOR USE AND MAINTENANCE OF THE SHUTTERS SLIDING PANEL SYSTEM

Basic guidelines and instructions related to the safe use of the product:

Product operation during frost	Product operation in windy weather
	
<p>During frost and snowfall, the product may become icy. In this case, do not attempt to open or close the Shutters system. The product can only be used after the ice has been removed.</p> <p> Using the product in freezing conditions may cause damage.</p>	<p>Shutters system feathers should be fully opened when the wind exceeds the permissible speed for a given wind load resistance class.</p> <p> Using the product in winds exceeding the permissible speed for a given wind load resistance class may cause damage.</p>
Product working area	Improper use of the product
	
<p>No objects or persons may be present in the working area of the Shutters system that could prevent its operation. If the frame encounters an obstacle, stop using the product and remove the obstacle.</p> <p> Covering or blocking the frame's operating area may cause damage to the product.</p>	<p>It is forbidden to put your hands or objects between rotating blades and moving parts.</p> <p> Inserting objects between the rotating blades may damage the product.</p> <p> Placing your hands between the rotating slats may pose a risk to health and life.</p>
Improper use of the product	Improper use of the product
	
<p>It is forbidden to put your hands between the sliding frames, guide grooves and trolleys.</p> <p> Placing your hands between the moving frames, in the guide grooves or in the carriages may pose a risk to health and life.</p>	<p>Do not place additional weight on the slats and frame of the Shutters system.</p> <p> Attempts to place additional loads on the product may result in damage.</p>




## 4.2. Operation

The product may only be used with the manual mechanism installed in the product.


 Shutters system feathers should be fully opened when the wind exceeds the permissible speed for a given wind load resistance class.

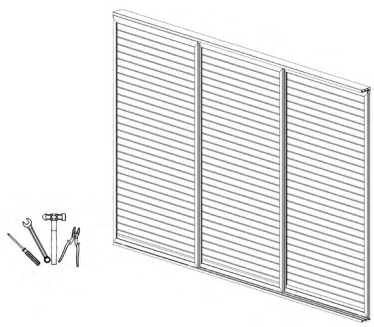
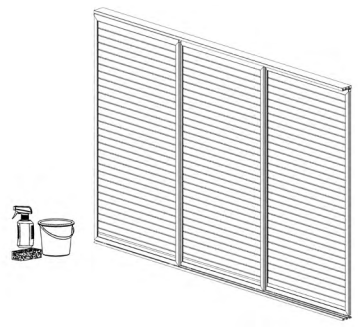
Wind load resistance classes according to EN 13659	Safe wind speed	
	[m/s]	[km/h]
1	< 8,9	< 32,2
2	< 10,6	< 38,1
3	< 12,6	< 45,5
4	< 16,5	< 59,4
5	< 20,8	< 74,8
6	< 25,3	< 91,1

Information on the wind load resistance class of the product can be found on the CE label and in the Declaration of Performance (DWU) supplied with the product.

Product operation	Product operation
 <p>The Shutters system is operated by moving the frames along the guide rails until the desired position is achieved.</p>	 <p>To obtain an open position in the frame, tilt any slat manually. Rotating any slat causes all slats in the frame to rotate.</p>
<p> Before moving the frames, make sure that the slats are in the closed position. Moving frames with open slats in adjacent tracks may damage them (including the paint coating) due to collision with the adjacent frame.</p>	

**5. MAINTENANCE AND REPAIRS**

 Do not attempt to alter or modify the product without authorisation; otherwise your product warranty will be void and the product may become a hazard of injury or death. Have all repairs done by a qualified technical service provider of the vendor or its authorised reseller.

Repair	Cleaning
	
<p>Regularly check all visible parts of the product for blockages or other damage.</p> <p>If you detect any damage or malfunction, do not repair it yourself, but call a service technician.</p>	<p>In order to ensure long-term durability, it is recommended to clean the surface of the product regularly.</p> <p>Use appropriate cleaning agents for cleaning, following the cleaning chemical manufacturer's recommendations regarding the safe use of these agents.</p>

**5.1. Maintenance**

A contaminated product may cause damage to the mechanisms responsible for its proper functioning.

Simple maintenance tasks can be performed by the user of the product on their own and do not require any special skills. These tasks include, among other things, checking the correct rotation of the Shutters system blades and the movement of the frames along the tracks. They also include a routine visual inspection of the condition of the product and verification of:

- no foreign objects that could interfere with the proper functioning of the product and the movement of mechanisms,
- no contamination in the guides - daily and after heavy rainfall,
- no phytosanitary contaminants.

Due to the dimensions of the product, it may be necessary to perform work in special conditions. Work performed at a height of more than 1.0 m (and in particular more than 2.0 m) above ground or floor level is classified as work at height. It poses a risk of accidents, in particular falls, and therefore requires the use of certified scaffolding and personal protective equipment.

Persons performing work at height must have valid medical certificates. The maintenance work station should be prepared in such a way as to limit the need for workers to lean over the scaffolding barriers. Work at a height of more than 2 m, requiring the use of personal protective equipment, must be performed by at least two persons in order to ensure mutual safety.

If any signs of irregularities are observed, the manufacturer or installer should be informed about the situation.

Maintenance activities also include cleaning visible and accessible parts of the product and removing contaminants that accumulate inside the guides. The following rules must be observed:

- it is recommended to clean light dirt from accessible metal/aluminium surfaces with water and mild detergents, using a soft cotton cloth, always rinse after cleaning (as needed),
- remove phytosanitary contaminants (immediately after noticing them).

Prohibited activities during cleaning of the product:

- It is forbidden to use a pressure washer, as well as cleaning agents, sponges and solvents (e.g. alcohol, petrol).
- It is forbidden to use cleaning agents containing chlorine, ammonia, kerosene, acetone and bleach to clean the system or its vicinity, as this will cause corrosion.
- Do not use aggressive cleaning agents; if in doubt, contact the manufacturer of these agents.
- It is forbidden to use sharp tools (e.g. wire brushes) or cleaning agents that cause scratches (e.g. scouring powders, pastes).
- Do not hold or pull the system or its individual components too hard.
- Do not replace damaged components with substitutes! Use original spare parts.
- Do not bend or twist the blades.
- After cleaning, test the system. Pay attention to the operation of the system and report any unusual behaviour or noises to the direct supplier.

### 5.2. Repairs



Do not carry out any repairs or modifications to the mechanisms and construction of the product yourself. In the event of product malfunction or the need to replace components or make any changes to its construction, contact the supplier or their authorised representative, as this work may only be carried out by an authorised installer.

The manufacturer will not be liable for:

- damage resulting from transport other than transport by the manufacturer,
- damage resulting from storage, installation, use of the product and maintenance not in accordance with the technical and operational documentation, operating instructions or manufacturer's recommendations, unless these activities were performed by the manufacturer,
- damage resulting from modification of the system, unless the modification was carried out by the manufacturer, at its request or with its written consent,
- secondary damage resulting from the use of the device, despite noticing the original defect, unless the manufacturer has been notified and has recommended further use,
- defects resulting from age and normal wear and tear of product parts,
- mechanical damage caused by the user,
- damage resulting from improper installation of the product by a company other than the manufacturer,
- use of insufficiently strong anchoring elements or fastenings to the substrate (substructure) with insufficient load-bearing capacity (parameters),
- damage resulting from unauthorised repairs,
- damage caused by using the system in inappropriate weather conditions (outside the scope specified in the manual)
- damage caused by abnormal weather conditions (lightning, storm, hail, water, fire),
- damage resulting from accidents and unexpected events,
- improper operation of the system (including wedging of frames) resulting from insufficient rigidity of the upper substructure (excessive deflection under the weight of the system),
- characteristic noises of the system, arising during the movement of frames and impacts against the stops (this is a feature of the product),
- damage resulting from improper cleaning with inappropriate tools, corrosive and abrasive substances,
- atmospheric and phytosanitary contamination and dirt caused by animals,
- If the paint coating becomes dirty in an urban environment exposed to pollution (smog, smoke, acid rain, dust),
- damage caused by the influence of other products, objects or suspended accessories not provided for by Aluprof,
- deformations and damage to the structure and filling, in particular to the slats, caused by the load applied by the user (hanging on the product or hitting open slats against adjacent frames),
- Colour differences between parts may occur during the manufacturing process.
- discolouration of elements intensively exposed to weather conditions,
- corrosion of components used in an environment with high sea salt content in the air,
- damage caused by operation in freezing conditions and other natural factors,
- damage resulting from failure to fold the frames from their extreme position (opening of the partition) in winds above wind class 6 (90 km/h),
- deflection of structural beams from the suspended system.

Furthermore, the manufacturer is not responsible for:

- a product from which the CE sticker has been removed or is illegible
- a product from which pictograms providing particularly important information on hazards and safety have been removed,
- improper use of the product or use contrary to its intended purpose,
- overheating and discolouration of the product caused by heat sources located within or in the immediate vicinity of the system,
- events resulting from non-compliance with this documentation, as well as the consequences of events that the installer, investor or specialised installation team should take into account when carrying out the investment or work.

Notwithstanding the above, Aluprof SA's liability is limited and results from the contract concluded with the purchaser of the product.

### 5.3. Technical inspection and repairs

In order to maintain full functionality and correct operation of the Shutters system, it is recommended to carry out periodic (at least once a year) technical inspections. Their main purpose is to check the correct operation of the product and to check the completeness, condition and effectiveness of the structural elements, to adjust the mechanisms and, if necessary, to replace parts worn out as a result of natural wear and tear.



Do not carry out any technical inspections on the product yourself, as this may void the warranty and pose a risk to health or life and proper operation. Servicing should be carried out by a qualified service technician from the supplier or their authorised representative. The user is only authorised to carry out simple maintenance work as described in the maintenance section and to perform regular visual inspections of the technical condition of the product.



Systematic inspection of the product helps prevent premature failure.

The products should be maintained fully operational and clean to ensure that their operation remains safe to the health and life of the users and compliant with the intended use.

Technical inspection steps:

- Verify the product durability and quality of installation fastening;
- assessment of the smoothness of frame movement on the running rails,
- Verify the durability and quality of all threaded and rivet fasteners;
- Test the functioning of the product's movement system components and inspect their technical condition;
- assessment of the condition of the guides and seals,
- Adjust and correct the foregoing parts and components if required;
- Replace all worn components/parts.



Use genuine spare parts only. Do not use non-approved spare parts!

### 6. HAZARDS

Aluprof shutters are a product which, under normal or other reasonably foreseeable conditions of use, does not pose any risk or poses a negligible risk that is compatible with its normal use, taking into account the high level of requirements for the protection of safety, life and human health.

It is prohibited to:



- use of a damaged product,
- people or objects in the light of the open Shutters system,
- moving around in the light of the Shutters system while it is in operation,
- modernisation or disassembly by unqualified persons,

### 7. REMOVAL AND END-OF-LIFE DISPOSAL



Improper dismantling of the system may result in serious injury and damage to the system. The dismantling of the system should be entrusted to a suitably specialised installation team or a person with appropriate health and safety training and knowledge of recovery.

The removal procedure is the reverse of the installation procedure (refer to the Installation Manual).

To dispose of the product at the end of its operating life, it must be disassembled into component parts and the component parts must be segregated for recycling and other waste management types in compliance with the Polish Regulation of the Minister of Environment dated 2 January 2020 and concerning the Waste Catalogue (JoL. 2020.10, as amended).

### 8. PRODUCT MARKING

Shutters have a product label placed in a visible location.

The label includes, among other things, manufacturer's data, type number, number of the harmonised product standard and product properties.

The CE marking on the label indicates that the product complies with all directives applicable to the product.

It is recommended to leave the product label undamaged so it can be read in the future.

## SHUTTERS

The product meets the CE safety requirements

### Manufacturer:

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SHUTTERS

We reserve the right to any technical change.

**As of 2025.12.23**