



Operating and Maintenance Instructions for Patio and Balcony Awnings

Supplier:

Plant name:

Address:

Manufacturer:

ALUPROF SA

Address:

Opole plant: ul.

Wschodnia 23A,

45-449 Opole, Poland,

tel. +48 77 553 21 00

e-mail: aluprof@aluprof.eu

Product: Awning

The product meets CE safety requirements.

Construction Products Contact Point

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

The content of this documentation is protected in accordance with the relevant provisions of the law of the Republic of Poland, in particular the Act of 4 February 1994 on copyright and related rights (Consolidated Text, Journal of Laws of 2021, item 1062), and in accordance with the provisions of European Union law, in particular Directive 2001/29/EC of the European Parliament and of the Council of 22 May 2001 on the harmonisation of certain aspects of copyright and related rights in the information society (Official Journal of the European Union, L 2001, No. 167, page 10, as amended). Any downloading or reproduction of the entire documentation or any part thereof for further dissemination, without the consent of Aluprof S.A., is illegal and is subject to criminal and civil liability.

CONTENTS

1. INTRODUCTION.....	4
1.1. Symbols and nomenclature	4
1.2. General information.....	5
2. SAFETY REQUIREMENTS	5
3. PRODUCT INFORMATION.....	6
3.1. Structure.....	6
3.2. Product characteristics.....	7
3.3. Control specifications.....	7
3.4. Fabric characteristics and permissible performance features.....	8
4. OPERATION AND USE	9
4.1. Use	9
4.2. Checking the product for safe use	11
4.3. Operation	11
4.3.1. Manual drive.....	12
4.3.2. Electric control.....	13
5. MAINTENANCE AND REPAIRS	14
5.1. Maintenance.....	15
5.1.1. Fabric maintenance	16
5.2. Repairs.....	17
5.3. Technical inspection and repairs	18
6. HAZARDS	18
7. PRODUCT LABELLING	18
8. DISASSEMBLY AND DISPOSAL OF THE PRODUCT	19

Important safety instructions.

WARNING!

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

Please read the user manual before using the product.
If the manual contains any unclear phrases or if you have any doubts regarding its interpretation,
we recommend that you contact the manufacturer before installing or using the awning.

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 the entity which manufactures and places the product on the market under its own name or trade mark. The product is the awning. The manufacturer is Aluprof.

Supplier – means a natural or legal person who makes another manufacturer's product available on the market. The Supplier may also be the product installer.

Service – means a department or external company authorised by the Manufacturer or Supplier to perform warranty and post-warranty services, repairs, inspections and maintenance of the product in order to maintain its efficiency and functionality.

Installer – means an entity (a natural or legal person) or a team of persons, authorised and suitably qualified, which is responsible for the correct and safe execution of the entire Awning installation process in accordance with the Manufacturer's technical documentation and applicable standards. This may also be the Supplier or an entity authorised by the Supplier.

Product user – a person using the installed product.

Unqualified person – means a natural person who does not have the appropriate knowledge, training, experience or authorisation required to perform activities related to the installation, maintenance, repair or servicing of the product, other than its standard use.

Product: Awning – A patio awning, as an external sunshade fitted to the outside of a building, is used exclusively to provide protection from sunlight, e.g. for a patio, balcony, restaurant garden, shop window or outdoor stall. The awning fabric is extended and retracted using an electric or manual control mechanism.

Awning fabric – a part of the product which not only provides protection from the sun but also serves as a decorative element. Made from high-quality materials and operated by an electric or manual control mechanism, it ensures that the product fulfils its function.

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.
	DANGER	Indicates conditions which cause hazards of injury or death by electrical shock.
	INFORMATION	This symbol indicates that the product cannot be disposed of with municipal (household) waste.

1.2. General information

The terms and conditions of product delivery are regulated in separate contracts between the vendor and the buyer. The specify the liability limits and exclude the liability for consequential losses. The vendor operating according to the general terms and conditions of product delivery will not accept any liability for non-compliance with this Manual unless related to defects attributable to the vendor.

 The Aluprof SA will not accept any liability for damage caused by incorrect operation and/or maintenance of its product and reserves the right to make changes to the documentation.

Efforts are constantly being made to improve awning systems and enhance the quality of service and safety of their use.

 This manual is intended for users of the awning system and should be read before first use. It contains essential information to ensure the safe use and proper maintenance of the product. The manual should be kept for the entire lifetime of the product. Should the product be sold, this manual must be handed over with it.

 The owner of the awning is responsible for informing other users of 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 accepts no liability for any changes or modifications made to the awning's design or for the installation of additional components not specified by the manufacturer.

 The operating and maintenance instructions are supplied together with the programming instructions for the automation components.

2. SAFETY REQUIREMENTS

Compliance with the conditions set out below is required to ensure the safety of users and the proper operation of the awning. These conditions relate to the location and method of use of the product.

 The awning must not be used if any damage to the electrical wiring is detected.

 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 to ensure safety in relation to the awning's interaction with other objects or equipment.

 In the case of an awning that can be operated from a location out of sight of the product, the user should take appropriate organisational measures in the vicinity of the awning to prevent it from being damaged during operation.

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

 Do not remove the drive unit guards. The guards must be fastened so that their removal requires tools.

 If the awning is fitted with additional stand-alone electrical devices (e.g. wind, sun or rain sensors), you must follow the instructions provided with the device.

3. PRODUCT INFORMATION

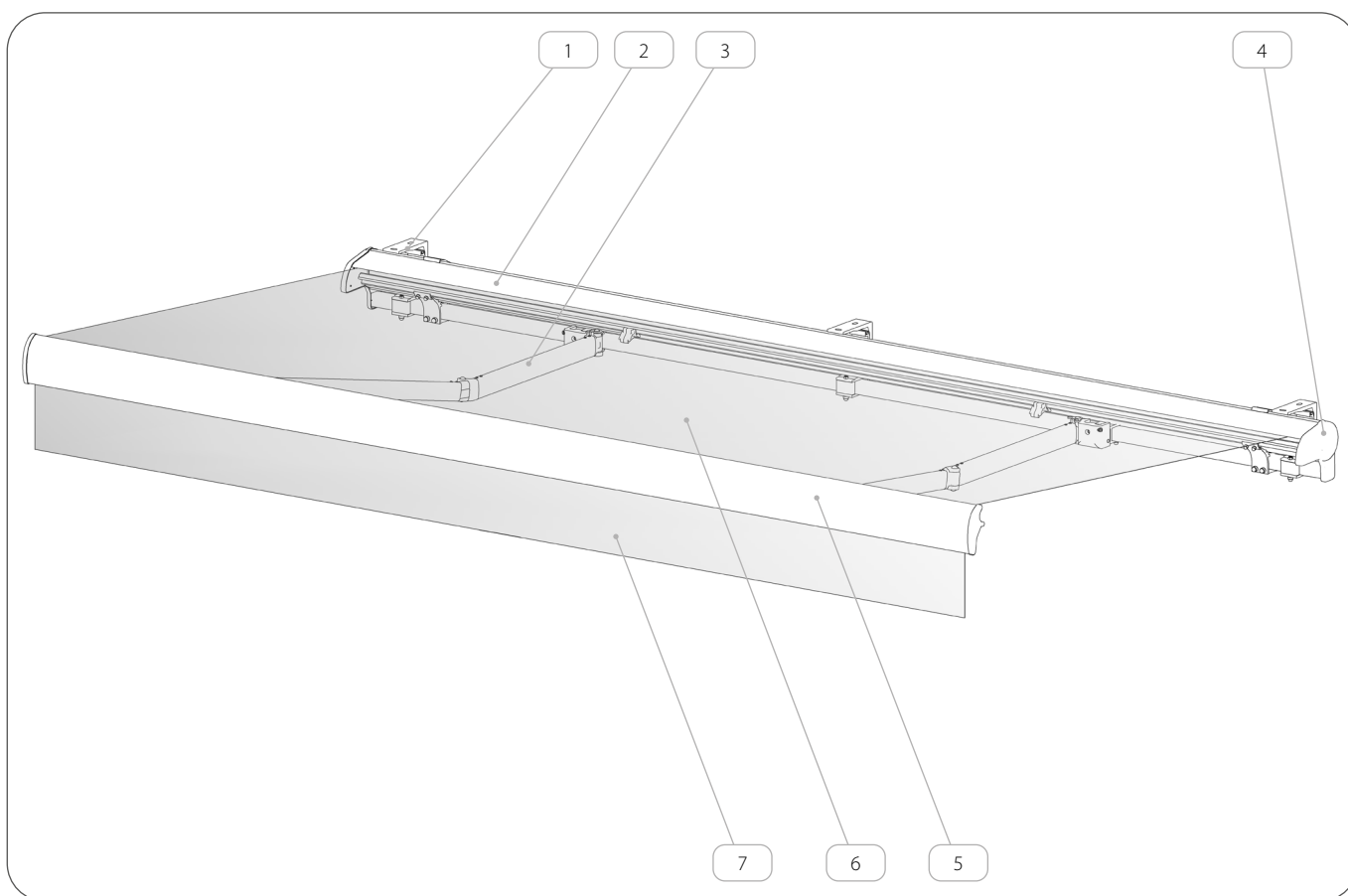
The product is intended as an external sunshade system for areas such as terraces and balconies, fixed to the structure of buildings (e.g. building walls, terraces), for use in residential, public or industrial buildings, both under construction and existing. The fabrics used in the awnings significantly reduce solar radiation. The awning is operated (opened/closed) via an electric control system using a switch, a radio transmitter or another automatic control device utilising sensors such as rain, wind or sun sensors, or manually using a crank handle.

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 illustrations in this manual are for reference only and may differ in detail from the actual product.

3.1. Structure



	Name of the component
1.	Mounting handle
2.	Semi-cassette unit
3.	Awning arm
4.	End cap
5.	Front beam
6.	Awning fabric
7.	Valance

3.2. Product characteristics

- Permissible outdoor use of the product in accordance with the product parameters.
- The awning is a structure designed to provide protection from sunlight. This structure does not provide protection from rainfall.
- Concealed motor and drive mechanism.
- The product's motor has an IP44 enclosure protection rating.
- Noise emitted by a product with an electromechanical drive (associated with the operational movement of moving parts, generated by the electric motor during operation) is not considered a significant hazard and falls within the scope of individual comfort.
- Enhanced functionality thanks to the use of automatic shock and wind, wind and sun, rain and radio control systems.
- Motor with emergency manual winding via a crank.
- Aluminium arms with springs and Flyer flat chain.
- The arms can be operated using a remote control, a dedicated app or a crank handle.
- The product should be used within the limits specified for wind class 2 in accordance with EN 13561.
- The product does not emit toxic substances during use.
- Operating the product during rain, snow or icy conditions is not permitted and may result in damage to the product.
- The cassette protects the fabric from the elements.
- Awning fabrics are manufactured from high-quality materials and coated with an impregnating agent that acts as a protective barrier and enhances resistance to soiling.
- For selected models, the valance is available with three different cut-out designs.
- For selected models, LED lighting can be fitted to the arms.

i The tolerances relating to the overall dimensions (height and width) of the awning and the awning fabric of the supplied product, compared with the dimensions ordered, are set out in product standard EN 13561.

3.3. Control specifications

The specifications vary between specific motor and control types.

Motor specifications			
Actuator / electric motor overall length	520 – 734 [mm]	Supply voltage	230 [V AC]
Torque	30 ÷ 50 [Nm]	Frequency	50 [Hz]
Drive speed	12 ÷ 17 [min. ⁻¹]	Operating temperature	-20 ÷ + 70 [°C]
Maximum continuous operating time	4 [min.]	Protection grade	IP 44
Drive unit rated current	0,87 ÷ 1,2 [A]	Wire length	3 [m]
Power consumption	170 ÷ 270 [W]	Cable cross section	3 x 0,75; 4 x 0,75

i The table shows the ranges of values within which the individual parameters of the actuators from the Aluprof range, which are compatible with the awning product, fall.

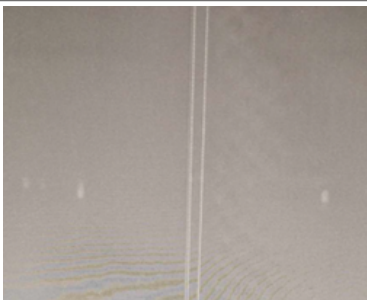
i Detailed informations about individual motors are available on the manufacturer's website.

3.4. Fabric characteristics and permissible performance features

i The visual changes described, which may occur on the surface of the fabric, are natural for the fabrics used in the manufacture of awnings. They do not constitute material or manufacturing defects and do not affect the product's performance; therefore, they cannot form the basis for a complaint.

The product's covering is made up of a set of joined fabric panels with a nominal width of 1200 mm (with a tolerance of ± 10 mm), selected according to the ordered width of the product. Two narrower outer panels are used at the sides; their combined width, together with the standard panels, ensures that the overall dimensions fall within the required tolerance.

Only first-grade fabrics are used in the manufacture of awnings. Despite the use of modern technologies and advanced machinery, certain variations in the structure and appearance of the fabric are inevitable and do not constitute a product defect.

	In the seam areas, the fabric is folded twice, which causes variations in the roll diameter during winding. The resulting stresses may lead to localised creasing of the material along the seams, in the central parts of the strips and in the side edge areas of the covering.
	Creases may form in the fabric during retraction. Under certain lighting conditions, faint lines may be visible within these creases. This phenomenon is particularly noticeable with dark-coloured fabrics.
	The side edges of the fabric are subject to increased stress, which may lead to slight sagging of the fabric edges.
	In the case of waterproof fabrics, localised lighter surface wear marks are permissible, as these are characteristic of the material and its manufacturing process.

i Acrylic fabrics are coated with fluorinated resin to impart the required performance characteristics. This process increases the stiffness of the material, which is essential given its intended use. Consequently, micro-gaps may occur in areas where the fabric is creased, gathered or locally damaged.

i The use of impregnating agents makes the fabric surface more susceptible to scratches, which may occur even when the manufacturing process is carried out with the utmost precision and care. This effect is most noticeable on plain-coloured fabrics.

i For technical reasons, variations in colour shades are permissible and shall not constitute grounds for a complaint.

4. OPERATION AND USE

The awning and its components have been designed so that no part of it is permanently deformed during normal use (subject to the assumptions made in the structural calculations).

You should regularly check the visual condition of the awning. If any fault is detected, do not operate the product. In such a situation, we recommend contacting the supplier or their authorised representative.



Using a damaged or incomplete awning, or carrying out repairs without authorisation, may pose a risk to health and life and may invalidate the warranty.



Automatically controlled products may start up on their own. Ensure that no dangerous situations arise.



It is prohibited to use the product connected to the electrical system without valid and required inspections and measurements.



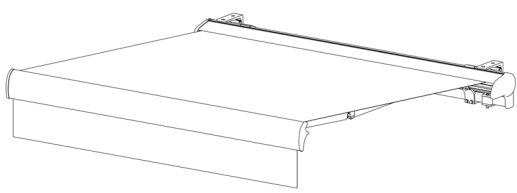
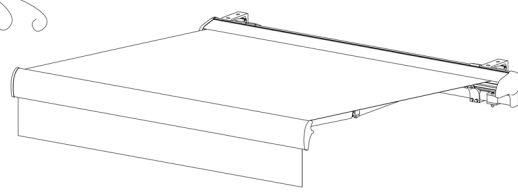
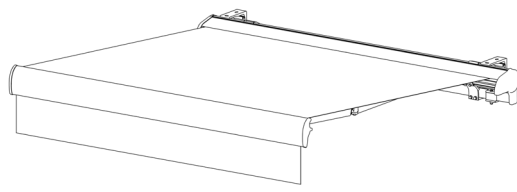
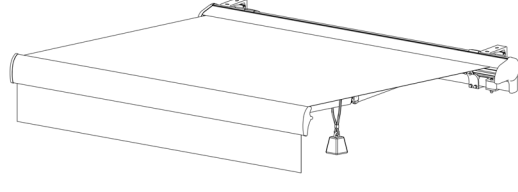
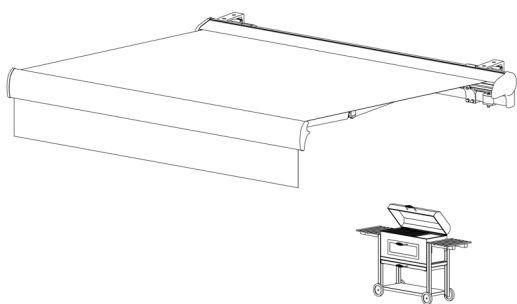
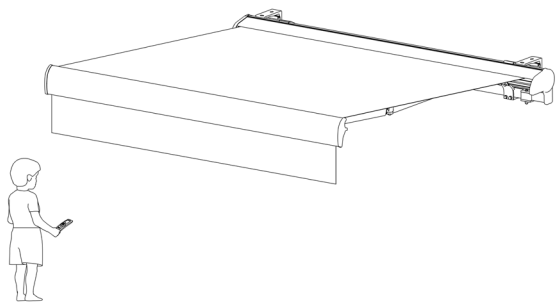
If smoke appears whilst the awning is in use, switch off the power supply immediately and contact the supplier or an authorised representative.

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 must be used exclusively for its intended purpose. The awning is designed to provide protection from the sun; it does not protect against rainfall.
- Do not use the awning during violent or severe weather conditions (e.g. heavy rain, heavy snowfall, storms, hailstorms, strong winds, etc.).
- If the fabric becomes damp whilst rolled up, unroll it immediately once the rain has stopped and leave it to dry completely.
- In the event of frost or snowfall, the product may become iced over. In such circumstances, do not attempt to open or close the awning system. The product may only be used once all ice has been completely removed.
- The awning actuator is designed for intermittent operation for short-term use and is fitted with a thermal cut-out which switches off the drive when the actuator is overloaded. Continuous operation of the awning must not exceed 4 minutes, and the awning is ready for use again once the thermal cut-out has cooled down (approx. 15 mins).
- 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 touch moving parts whilst the awning is being rolled up or down. This may result in crushing, cutting, entanglement or becoming trapped between, for example, the front beam and the arm or other structural components of the system.
- The awning's operating area should be kept clear of any objects (e.g. cables, twigs, leaves), as their presence may damage the mechanism or prevent the product from closing properly.
- Do not stand within the working range of the arms and fabric whilst the system is in operation.
- It is forbidden for people or objects to stand on, climb on, place a load on or hang from the awning structure.
- It is forbidden to attach any objects to the product without the express written consent of the manufacturer.
- Do not place heat sources directly under the awning or in its vicinity.
- Keep hot objects and sources of heat away from the fabric (e.g. air heaters, stoves, irons, etc.).
- It is essential to pay attention to any signs of wear or damage to the product's electrical cables. If such signs are noticed, the product must be immediately disconnected from the power supply and the fault rectified without delay.
- If the motor or other components are very noisy, switch off the power immediately and have the fault inspected and repaired if necessary.

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

Product operation during frost	Product operation in windy weather
  During periods of frost and snowfall, the product may become iced over. In such cases, do not attempt to open or close the awning system. The product may only be used once the ice has been removed.  Using the product in freezing conditions may cause damage.	  The awning must be fully retracted when wind speeds exceed the permissible limit for the relevant wind load resistance class.  Using the product in winds exceeding the permissible speed for a given wind load resistance class may cause damage.
Product operation in rainy conditions	Improper use of the product
  It is prohibited to use the product during severe or intense weather conditions. Prolonged exposure of the fabric to moisture may lead to overloading of the fastenings and deformation of the fabric surface.  If a damp cloth has been rolled up, unroll it immediately after the rain has stopped and leave it to dry.	 Do not place any additional weight on the awning.  Attempts to place additional loads on the product may result in damage.
Improper use of the product	Product working area
 Do not place heat sources directly under the awning or in its vicinity.  Contact between the fabric and hot objects may cause damage.	 Children must not play with the remote control or the switch operating the awning. Keep the portable transmitter away from children. Only adults should operate the awning.  Do not leave batteries, rechargeable batteries or other miniature power sources within the reach of children, as there is a risk that children or pets may swallow these items.

The product must be used in accordance with its intended purpose, as specified by the manufacturer. If the product is operated or modified in a manner other than that described in this documentation, it is being used incorrectly. Making unauthorised modifications that affect the safe operation of the product is not permitted.

Proper use of the product includes:

- foreseeable use, which does not include, for example, risks taken by the user intentionally or knowingly,
- application of permissible operating parameters,
- compliance with operating instructions,
- carrying out periodic inspections and maintenance of the product,

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.



ALUPROF SA accepts no liability for damage caused by improper use.

4.2. Checking the product for safe use

Where the safe use of the product depends on the conditions in which it is installed, the purchaser should subject the product to:

- initial inspection (after installation and before putting it into service for the first time, taking into account compliance with the operating instructions),
- inspections following installation at a different location.

Where the product is exposed to conditions that may cause its technical condition to deteriorate, the purchaser should ensure that the product is:

- periodic inspections, as well as tests and checks following installation in a different location,
- A special inspection must be carried out in the event of a potential deterioration in safety relating to the product, resulting from modification work, natural phenomena, prolonged periods of inactivity, dangerous damage or accidents at work.

Deterioration in the technical condition of the product may lead to hazardous situations.



Inspections may be carried out by specialised installation teams with the appropriate qualifications.

4.3. Operation

The awning can be operated using the electric actuator fitted to the product.

Automatically controlled products may start up on their own. Ensure that no dangerous situations arise.



The position of the awning can be adjusted to any projection. It stops automatically at the end points.



Adjustment of the limit positions should be carried out by a person with electrical qualifications, knowledge and experience.



The limit positions of the drive unit are configured by the OEM. If they require adjustment, perform it in compliance with the supplied programming guide.



The awning must be fully retracted (top end position) when wind speeds exceed the permissible limit for the relevant wind load resistance class. It is also recommended that you intervene manually in such situations, even if an automatic wind sensor is installed.

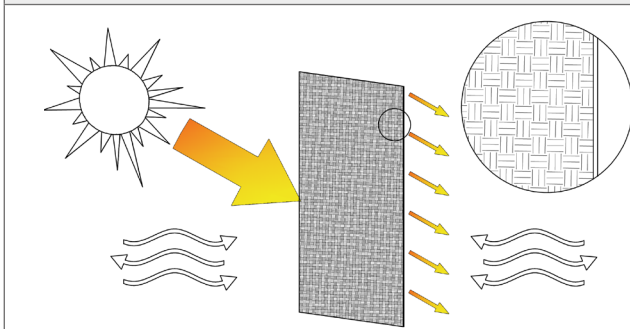
Wind load resistance classification acc. to EN 13561	Safe wind speed	
	[m/s]	[km/h]
1	< 7,8	< 28
2	< 10,6	< 38

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



No objects or people must be within the awning's operating range, as this may prevent it from functioning properly.

Light transmission



Micro-perforated fabrics provide natural and constant ventilation, limiting the heating of the air under the fabric. Light transmission coefficients depend on the type of fabric used.

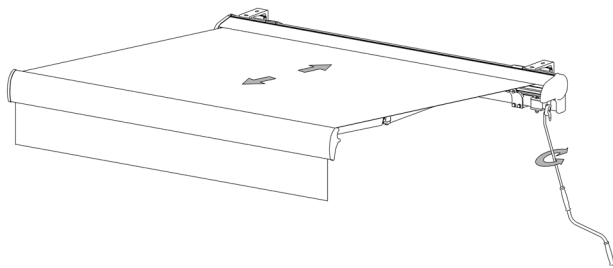
4.3.1. Manual drive

The awning is opened by turning the gear handle until the arms are fully extended, whilst maintaining the tension of the fabric.

The awning is closed by turning the gear handle until a slight resistance is felt.

 11:1 gear ratios do not have anti-rotation protection (a so-called mechanical limit switch).

Operating the awning using a crank



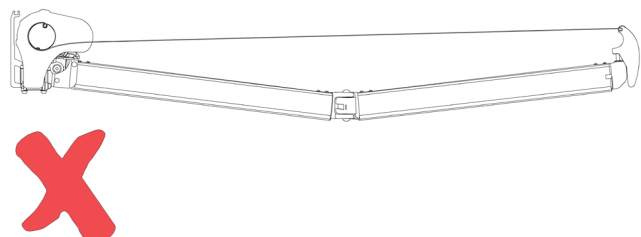
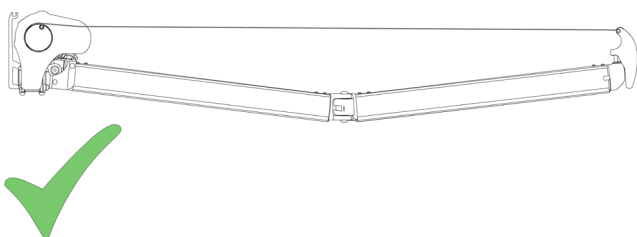
When operating a crank-operated awning, the force applied to the crank is multiplied by the gear mechanism, and applying excessive force – particularly when closing the awning – may result in damage to the fabric.

Just before the awning fabric has fully extended or retracted, release the rotational movement of the crank.

 When the awning is fully closed or fully open, do not continue to turn the crank.

 Any vertical tilting of the crank has to be avoided, it may increase drag and result in excessive wear.

Operating the awning using a crank



 Do not allow the awning fabric to be wound in the opposite direction (from the bottom of the roller tube), as this may cause it to tear away from the roller tube, damage the fabric or result in the awning malfunctioning.

4.3.2. Electric control

- The awning is controlled using a wireless transmitter and/or a dedicated app.
- Functions: unrolling fabric / rolling up fabric.

Optional control devices:

- Weather sensors, e.g. for wind, sun and rain – automatically adjusting the awning's position in response to changes in the weather.
- Awning control via a smart building system – the ability to manage devices within the system from any internet-connected mobile device, such as a tablet or smartphone.

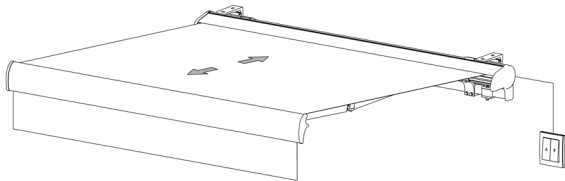
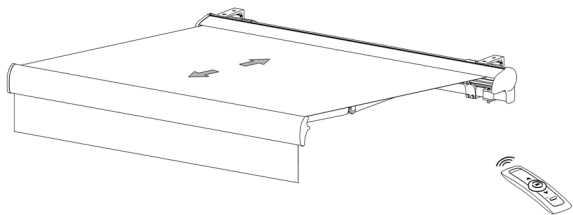
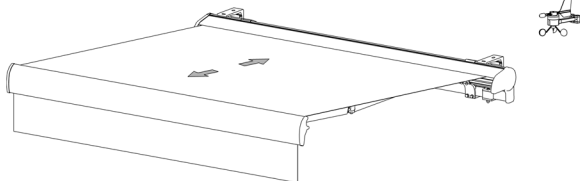
i If the awning is fitted with additional stand-alone electrical devices (e.g. wind or rain sensors), you must follow the instructions provided with those devices.

i Transmitters and receivers must be programmed in accordance with the instructions supplied with the motors.

! Transmitters must be stored in dry, moisture-free places.

i The motors are fitted with thermal cut-outs which switch off the drive after a few minutes of continuous operation to protect against overheating. Once the thermal cut-out has tripped, you must wait for an appropriate period of time, depending on the motor type and ambient temperature, before restarting it.

! When operating the awning, pay particular attention to the correct unfolding and rolling up of the fabric and to the proper functioning of the limit switches in the motor.

Using a push-button switch	Portable transmitter / wall-mounted transmitter application
 The awning moves in the selected direction when the relevant button on the push-button switch is pressed (up – down).	 The awning moves in the selected direction when the corresponding button is pressed (up – down).
Weather sensor application	
	The awning extends and retracts automatically in response to changes in the weather, without the need for user intervention. Depending on the situation, individual control via a switch or remote control may also be available.

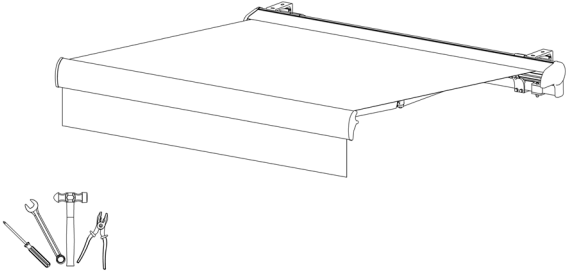
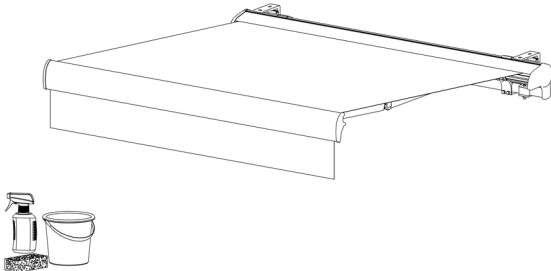
! If, whilst operating the awning, the fabric stops unrolling but the motor continues to run, switch off the motor immediately by pressing the relevant button on the remote control.

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.

 Isolate the mains power from the product before servicing! Hazard of death! Lock out the product against inadvertent reconnection of the supply voltage!

 Ongoing maintenance work should be carried out with the system fully extended.

Repair	Cleaning
 Regularly inspect all visible parts of the awning for jamming or other types of damage. If any damage or malfunction is detected, do not attempt to repair the awning yourself; instead, contact a service technician.  Failure to disconnect the awning from the power supply whilst carrying out maintenance work on the electrical connections may result in electric shock.  Electrical servicing must only be performed by suitably licensed professionals.	 To ensure a long service life, it is recommended that the awning's surface be cleaned regularly. Clean with suitable products only.  Failure to disconnect the awning from the power supply whilst carrying out maintenance work on the electrical connections may result in electric shock.  Any foreign objects and dirt found on the fabric or in the awning cassette must be removed regularly.

5.1. Maintenance

-  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.
-  The product should only be maintained and repaired by persons with the appropriate authorisation and qualifications (trained). Persons entrusted with activities related to the current use, hygiene and maintenance of the product are required to read the operating instructions and comply with them in full.
-  Isolate the mains power from the product before servicing! Hazard of death! Lock out the product against inadvertent reconnection of the supply voltage!
-  Regularly inspect all visible parts of the awning for jamming or other types of damage. If any damage or malfunction is detected, do not attempt to repair the awning yourself; instead, contact a service technician.

A soiled awning may cause damage to the mechanisms responsible for its proper functioning.

Simple maintenance tasks can be carried out by the awning user themselves and do not require any special skills. These tasks include, amongst other things, checking that the fabric unfurls and retracts correctly and that the limit switches are working properly. That also includes routine visual inspection of the technical condition of the fabric and verification of:

- the correct operation of the awning fabric's extension and retraction,
- the correct operation of limit switches,
- no peeling of the top protective layer and welds,
- lack of thick deposits of sediments, insects, leaves, etc. on the surface,
- stains,
- no abrasions.

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

-  When operating, caring for and maintaining the product, you must comply with health and safety regulations and environmental protection requirements.
-  If signs of wear or damage to electrical cables are noticed, disconnect the product from the power supply and repair the fault. The electrical installation and control system must be carried out and inspected by a qualified person

Maintenance also involves cleaning the visible and accessible parts of the product, keeping the fabric clean and removing dirt from the awning's surface. The following guidelines must be observed:

- Cleaning should be carried out whilst the awning is retracted,
- Do not allow water to enter the engine,
- do not clean with any sharp, rough, or abrasive tools. use a white cloth or a soft brush to wash the fabric,
- do not press against the fabric curtain too much.
- Unroll the awning completely. Wipe off any visible dust with a brush or a brush with very soft bristles. Carry out these steps whilst the awning is dry and without rubbing,
- Wash the fabric surface with water at a maximum temperature of 30°C, using a small amount of mild, pH-neutral detergent. If detergent is used, rinse thoroughly with clean water. Dry the fabric in a flat, unfolded state. Do not use high-pressure equipment or steam cleaners. Protect the awning from aggressive or corrosive substances, such as nitrates from mortar, acid, lye or salt, and from mechanical damage. Strong cleaning agents may cause corrosion or discolouration of the paintwork and fabric; it is therefore recommended that you carry out a preliminary test of the cleaning agents,
- do not use any organic or inorganic cleaning products which contain esters, ketones, alcohols, aromatic chemicals, or chlorinated hydrocarbons, or any cleaning products the chemical composition of which is unclear.
- remove greasy stains (from oil or soot), residues of adhesives, and silicone rubber with chemicals free from petroleum-derived aromatic hydrocarbons.

The structure should be cleaned periodically (at least twice a year) and any dirt (leaves, pine needles, etc.) should be removed from the surface of the product. The product should be inspected on an ongoing basis and debris such as branches, leaves, birds' nests and other objects should be removed on an ongoing basis; When removing these contaminants, exercise caution, bearing in mind that these objects may fall on a person standing near the product or on objects located under the product.

It is also recommended that you carry out a technical inspection of the awning immediately following any exceptional events, such as:

- strong storm with strong gusts of wind,
- snowstorms and hailstorms,
- accidental drops of sharp or heavy objects.

5.1.1. Fabric maintenance

The fabrics are highly resistant to climatic and atmospheric factors such as wind, rain, sun, microorganisms, dust and various types of pollution. To maintain their high quality and properties, proper maintenance must be carried out. The cleaning schedule for awning fabric depends on the installation location (e.g. coastal or industrial areas), weather conditions such as rain, snow or hail, and the frequency of these events.

Average frequency of maintenance work on awning fabric			
Light precipitation		Heavy precipitation	
Light sediment	Large sediment	Light sediment	Large sediment
36 months	24 months	24 months	12 months
24 months	12 months	12 months	6 months

 Fabrics with a matte finish are more susceptible to dirt and more difficult to clean due to the greater adhesion of deposits to the surface of the fabric.

The fabric is considered dirty, when it has visible and long-lasting marks, which may be the result of the gradual accumulation of small amounts of particles (e.g. pollen, dust) moved by atmospheric factors, such as wind, rain, snow or seeping or dripping water.

 If the dirt is not removed quickly enough, the stain may be difficult or impossible to remove due to the penetration of some of the dirt into the fabric, therefore it is recommended to remove the dirt immediately.

Substances and methods that absolutely should not be used in the case of fabric care are:

- any abrasive powder, paste or liquid, abrasive sponges, brushes with hard bristles, etc.,
- pressurized steam generators, pressure washers,
- products of organic chemicals: acetone, gasoline, benzene, ketones, heating oil, kerosene, perchlorethylene, turpentine, toluene, trichlorethylene, petroleum, tetrahydrofuran (THF), ethyl acetate, hydrogen peroxide, etc.,
- products of inorganic chemistry: ammonia, nitric acid, sulfuric acid, acetic acid, hydrochloric acid, soda, caustic soda lye, caustic soda, bleach, etc.,
- homemade cleaning products prepared at home.

Difficult to remove dirt, such as: tar, resin, fats, pollen, bird droppings, rust, etc., can cause permanent stains. Persistent cleaning, especially with unauthorized cleaning agents or methods, may damage the fabric. It is recommended that before undertaking any cleaning work determine their relevance.

 Do not mix cleaning agents, as they can have a negative effect and damage the paint surface, although each agent is safe on its own.

 The method of cleaning may depend on the fabric type. Information on methods and agents for the maintenance and care of fabrics should look for directly from fabric manufacturers.

 In case of using printed fabrics, guidelines should be obtained e.g.: from the manufacturer of the printed coating or the manufacturer of the ink used.

5.2. Repairs



Do not carry out any repairs or modifications to the awning's mechanisms or structure yourself. In the event of the product malfunctioning, or if it is necessary to replace any parts or make any changes to its structure, please contact the supplier or their authorised representative, as this work may only be carried out by a qualified installer.

The manufacturer will not be liable for:

- damage resulting from transport other than that provided by the manufacturer,
- cratching of the finish coating of the product caused during unpacking,
- damage resulting from storage, installation, use or maintenance of the product that does not comply with this manual or the manufacturer's instructions,
- damage resulting from modification of the system,
- 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 the use of fewer mounting brackets than specified by the manufacturer,
- damage resulting from use not in accordance with these instructions,
- 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,
- electrical damage caused by the user,
- defects resulting from age and normal wear and tear of product parts,
- mechanical damage caused by the user,
- damage to the movement system due to overloading,
- 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),
- corrosion of components used in an environment with high sea salt content in the air,
- atmospheric and phytosanitary contamination and dirt caused by animals,
- damage resulting from accidents and unexpected events,
- damage resulting from improper cleaning with inappropriate tools, corrosive and abrasive substances,
- 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,
- Colour differences between parts may occur during the manufacturing process.
- discolouration of elements intensively exposed to weather conditions,
- Asymmetrical winding of the fabric onto the roller tube caused by lumps or debris (e.g. leaves, mud),
- the so-called 'jumping' effect (a slight axial deviation in the operation of the roller tube due to its deflection),
- a gentle drooping of the fabric onto the arm joints when partially opened; the extent of this effect depends on the awning model, in particular on the arm projection and width – it does not affect the proper functioning of the system,
- horizontal deformation of the front beam of up to 25 mm at maximum widths (a phenomenon resulting from the design and tension of the fabric); this effect does not affect the system's proper operation,
- horizontal creases in the fabric caused by the presence of a fixing rod inserted into a fabric pocket on the winding tube; this phenomenon is due to the system's design and does not affect its proper operation,
- Characteristics typical of awning fabrics and waterproof fabrics.



If smoke appears whilst using the product, switch off the awning's power supply immediately and contact the supplier or an authorised representative.

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

To maintain the awning's full functionality and ensure it operates correctly, it is recommended that periodic (at least once a year) technical inspections be carried out. The main purpose of these inspections is to verify that the product is functioning correctly and to check the completeness, condition and effectiveness of the structural components and electrical, control and safety devices, to adjust the mechanisms and, if necessary, to replace parts worn as a result of normal use.



Do not carry out any technical inspections on the product yourself, as this may invalidate the warranty and poses a risk to health or life, as well as to the correct operation of the product. Servicing work should be carried out by the supplier's qualified service team or their authorised representative. The user of the awning is authorised only to carry out simple maintenance tasks as described in the section on maintenance and to perform regular visual checks of the technical condition.



Regular inspections of the awning can help prevent potential breakdowns.



If an automatic weather sensor (wind/sun) is used, it must be switched to manual mode during the following periods: when the product cannot be used (e.g. due to low temperatures, suspected faults, during inspections and maintenance, or when the installer is working on the product's mechanisms); it is also recommended to switch off this sensor and retract the awning in the event of a prolonged absence.

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:

- Check the durability and quality of the product mounting.
- Assessment of the correct unfolding and rolling up of the fabric – including checking that the limit switches are working correctly.
- Checking the durability and quality of screw and rivet connections.
- Check the tension of the fabric.
- Check the actuator mounting.
- Inspect the moving parts of the product and check their technical condition.
- Any adjustments and corrections in all the areas mentioned.
- Replace all worn components/parts.
- Technical inspection of the awning's electrical cables and checking their connection to the electrical system.



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

6. HAZARDS

The Aluprof awning is a product which, under normal or other reasonably foreseeable conditions of use, poses no risk or poses only a negligible risk that is compatible with its normal use, taking into account high standards of safety, life and health protection.



It is prohibited to:

- use of a damaged awning
- operating the awning and storing the remote control in a place easily accessible to children requiring adult supervision,
- Let non-qualified personnel attempt any electrical servicing, retrofitting or removal;

7. PRODUCT LABELLING

The awning has a product label affixed 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 that it can be read in the future.

8. DISASSEMBLY AND DISPOSAL OF THE PRODUCT



The awning may only be dismantled when the power supply is switched off.

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

In order to dispose of the product after it has reached the end of its useful life, it must be dismantled and the individual components sorted in accordance with the Regulation of the Minister of the Environment of 2 January 2020 on the waste catalogue – Journal of Laws of 2020, item 10, as amended.



In accordance with the provisions of Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), it is prohibited to dispose of used equipment together with other waste, marked with a crossed-out wheeled bin symbol. Users are obliged to take their used equipment to a designated collection point for proper processing. The marking also indicates that the equipment was placed on the market after 13 August 2005. These legal obligations have been introduced to reduce the amount of waste generated from waste electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling. The equipment does not contain any hazardous components that would have a particularly negative impact on the environment and human health.

Pursuant to the Polish Electrical Battery Act of 24 April 2009, "Article 44: The end user shall hand over waste portable rechargeable and non-rechargeable batteries (which may include spent portable rechargeable and non-rechargeable batteries no longer being viable sources of electrical power) to a collector or collection point for waste rechargeable and non-rechargeable batteries". Moreover: "Article 12: It is forbidden to dispose of waste rechargeable and non-rechargeable batteries in the same waste container with other waste".

Moreover: "Article 12: It is forbidden to dispose of waste rechargeable and non-rechargeable batteries in the same waste container with other waste".



Prevent hazards to human and animal health and environmental pollution hazards by disposing of waste rechargeable and non-rechargeable batteries in dedicated containers at designated waste collection points.



Take care not to short-circuit the batteries; do not throw them into a fire or recharge them. There is a risk of explosion.

Detailed specifications for handling WEEE and waste rechargeable and non-rechargeable batteries are regulated by Polish and EU environmental protection laws.

Patio and balcony awnings

The product meets CE safety requirements.

Manufacturer:

Aluprof SA

ul. Wschodnia 23a, 45-449 Opole, Polska,
Tel. +48 77 553 21 00,
e-mail: aluprof@aluprof.eu
www.aluprof.com

ALUPROF

Head Office

ul. Warszawska 153
43-300 Bielsko-Biała, Poland
Tel. +48 33 81 95 300
fax +48 33 82 20 512
e-mail: aluprof@aluprof.eu
www.aluprof.com

ALUPROF SUN SHADING SOLUTIONS

ul. Wschodnia 23a
45-449 Opole, Poland
Tel. +48 77 55 32 100

Original instructions.

This document forms part of the instructions within the meaning of the Regulation of the Minister of Economy of 21 October 2008 on the essential requirements for machinery. The operating and maintenance instructions, installation instructions and product manufacturing documentation together constitute the complete set of instructions and are available from the manufacturer.

Markiza_IUiK
We reserve the right to make technical changes.
Valid from 2026.06.15