Tarasola®

Tarasola Technic View Pro

User Manual and Operating Instructions for Tarasola Roofing Systems and Components

Tarasola®

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1. OBJECT OF THE DOCUMENTATION

The purpose of this documentation is to familiarize the user with the intended use, operating principle, and handling of the Tarasola brand product. The guide also includes guidelines for usage and service activities.

2. PRODUCT IDENTIFICATION

The description provided concerns a roofing system under the trade name Technic View Pro. The supporting frame of the structure is made of extruded aluminium profiles, while the roof itself consists of a set of multi-chamber profiles that slide along the frame of the structure while simultaneously rotating to a vertical position, allowing for ventilation and light entry up to the point of full roof opening. When closed, it forms a sealed structure capable of withstanding heavy wind and snow loads. According to structural strength analyses carried out, the system meets the standards applicable to building structures.

Tarasola Tarasola Technic View has been designed according to the following standards:

- Eurocode 0: EN 1990 – Basis of structural design
- Eurocode 1: EN 1991 – Actions on structures
    - EN 1991-1-1: General actions – Densities, self-weight, imposed loads for buildings
    - EN 1991-1-3: General actions – Snow loads
    - EN 1991-1-4: General actions – Wind actions
    - EN 1991-1-5: General actions – Thermal actions
- Eurocode 3: EN 1993 – Design of steel structures
- Eurocode 8: EN 1998 – Design of structures for earthquake resistance
- Eurocode 9: EN 1999 – Design of aluminium structures
- Eurocodes including their corresponding national annexes
- EN 1090 – Execution of steel and aluminium structures
- 2006/42/EC – Machinery Directive
- PN-EN 13561 + A.1:2009 – External blinds – performance requirements including safety

The structure's strength allows it to withstand a maximum snow load of up to 120 kg/m² and simultaneous wind pressure up to 80 km/h for projections up to 5 metres. For projections exceeding 5 metres, the maximum permissible snow load is 40 kg/m², with simultaneous wind pressure up to 80 km/h.

According to the static calculations performed for the structure with maximum dimensions, it meets the strength requirements for wind speeds up to 120 km/h.

The maximum permissible snow load, without wind pressure, ranges from 120 to 620 kg/m². Permissible loads for specific dimensions are provided in the corresponding table.

		Width (cm)						
Projection (cm)	Number of louvres	**220**	**270**	**300**	**330**	**365**	**400**	**420**
212	8	620	490	350	290	180	150	120
312	13	590	450	310	190	160	150	120
412	18	450	430	290	180	170	140	120
512	23	420	340	250	165	160	120	120
607	27	240	220	165	130	130	120	120

Snow load table without wind pressure for a louvred roof on 4 supports (kg/m²)

The roofing system has been designed to provide wind, rain, and sun protection for commercial clients, as well as for residential and private buildings. The roof is operated via electric drives.

Tarasola can be enhanced with additional features such as: infrared heaters, glass walls, roller screens, integrated LED lighting, and weather sensors (additional products are described in a separate guide), creating a comprehensive terrace roofing solution.

Familiarizing yourself with the user manual ensures the correct operation of the product. Adhering to the provided guidelines guarantees the durability of the roofing system.

3. TECHNICAL SPECIFICATION

3.1. Structure

The structure of the roofing system consists of an aluminum substructure. The structural elements are thick-walled extruded profiles coated with thermally cured powder paint.

The load bearing structure includes the following components:
• Aluminum guide rails (1) – the number and spacing of guide rails depend on the width and projection of the module.
• Front beams (2) – structural aluminum profile.
• Guide rail side cover (3) – profile that complements the guide rails and provides access for mounting integrated screen blinds.
• Supporting profiles (4) – aluminum supporting profile with an integrated water drainage system. The number of supporting profiles depends on the module width. Profiles are finished with brackets for anchoring to the ground.
• Aluminum roof (5) – consisting of sliding aluminium louvres, that rotate while sliding.
• Main gutter (6) – profiles collecting and draining water.
• Additional front gutter (7) – profile used in constructions with non-standard projections.
• Motor cover (8).
• LED profile (9) – designed for installing strip lighting.
• Wall mounting bracket (10) (Gardena/Tende version).

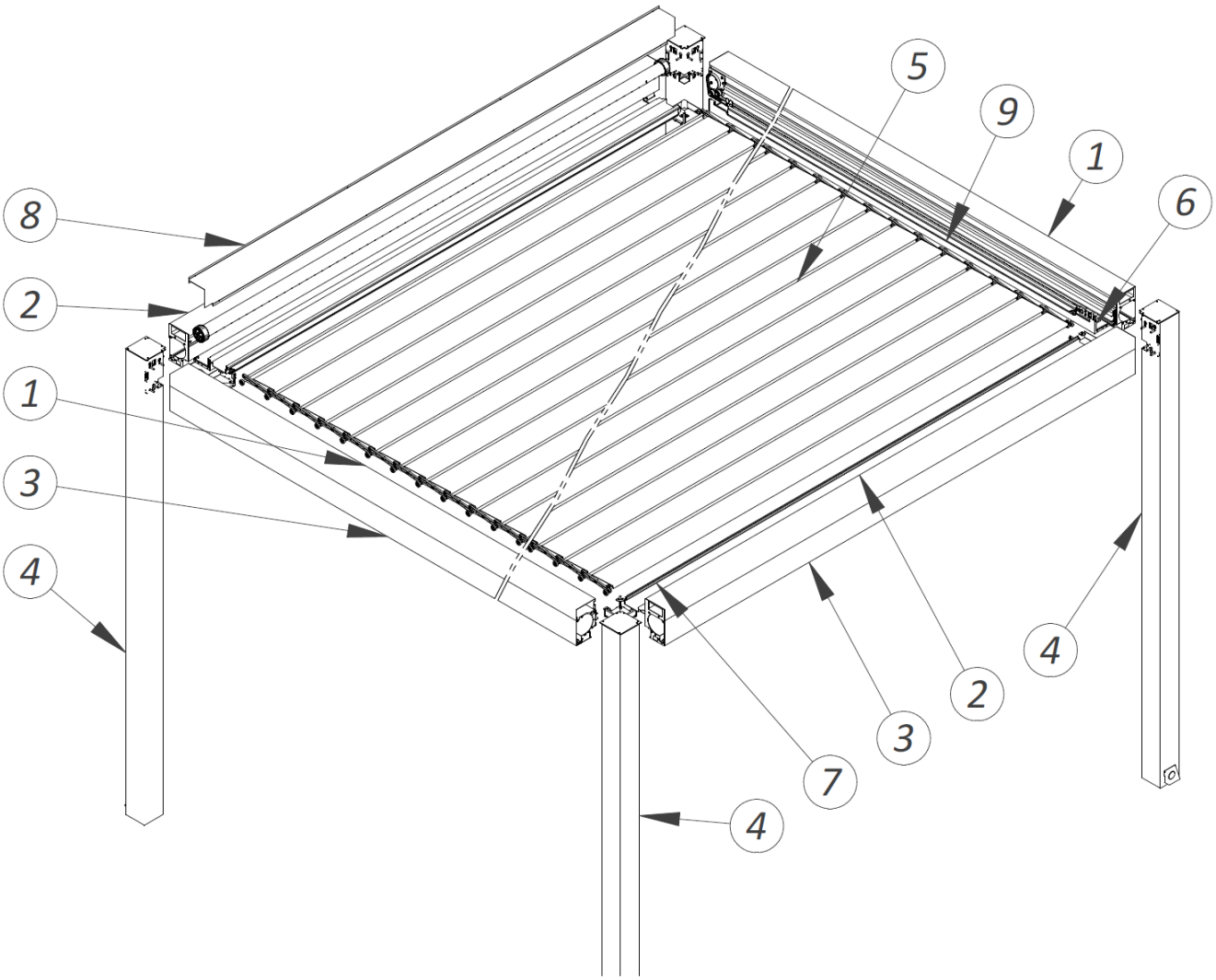

Fig.1 Graphic representation of the Tarasola Technic View Pro

Note: slight color differences may occur due to variations between different powder coating suppliers.

3.2. Electrical Components for Tarasola Technic View Pro

To ensure the highest quality of the products offered, the Tarasola brand cooperates with the best suppliers on the market. Thanks to the electrical components used in our products, we are able to provide you with a comprehensive product that is among the best currently available on the market.

WARNING! Due to the complexity and specificity of the product, installation is carried out by qualified personnel. Any actions that do not comply with the guidelines may pose a potential hazard and result in the loss of warranty.

ELECTRIC MOTOR.

Motor with a built-in radio receiver and electrical limiter. Secure coding system. Simple programming and operation. All movements are motor-driven, operating at low speed. Control via remote or local controller.

Installation notes

The protection rating of a motor installed outdoors is IP 44. However, if the switch is installed indoors, its protection rating may be lower – IP 40. The voltage supplied to the motor must be 230 V. Cables must be insulated.

The wiring diagram of the motor is presented below.

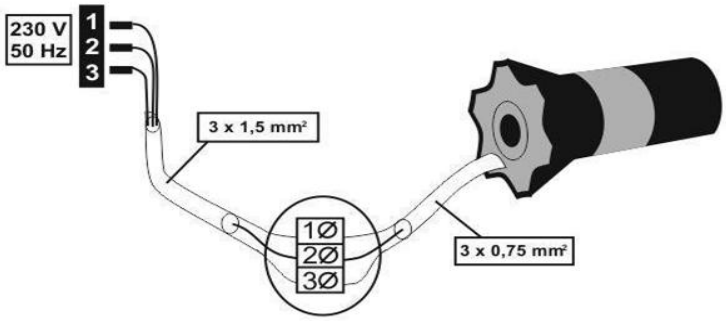

Fig. 2 **Electric drive with remote control**

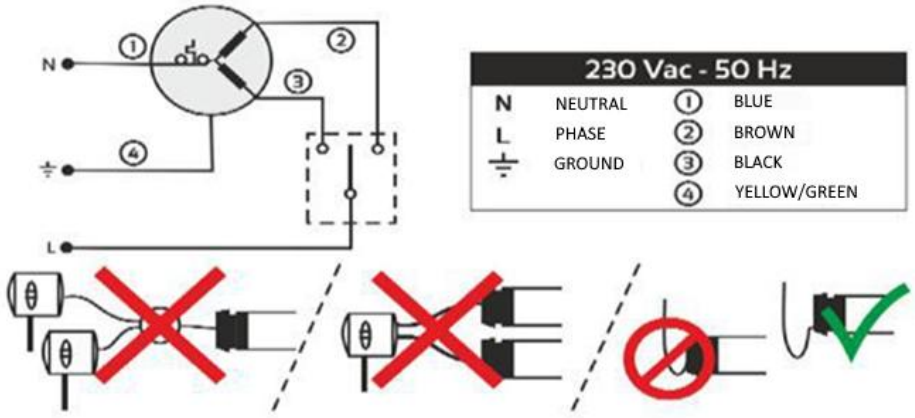

Fig. 3 **Electric drive with switch**

It is not recommended to connect more than one motor to a single switch (and vice versa). The only exception is when a control unit is used.

Attention! All wiring diagrams must be followed; otherwise, the warranty will not be granted.

REMOTE CONTROLLER / HANDSET

- Manual radio control of one or multiple drives and/or radio receivers or a group of drives and/or radio receivers.
- Possible operation of a single device or a group of devices.
- Can stop the cover and force movement using a convenient button.
- The remote is equipped with a function to adjust intensity, e.g., light power.
- A convenient LED indicator signals command transmission and allows easy channel selection on the remote (for multi-channel remotes).

• Wireless remote powered by a battery.
• Operating temperature: 0°C / +60°C.
• Protection rating: IP 30 / IP 40.
• Radio frequency: 433.42 MHz.

The electric components are easily operated via an integrated motor system. Wind and rain protection covers extend and retract fully or to the desired projection, adjusting shade and sunlight accordingly.

IN CASE OF ELECTRICAL SYSTEM FAILURE, THE MAIN POWER SUPPLY TO THE ROOF MUST BE IMMEDIATELY DISCONNECTED AND THE MALFUNCTION REPORTED TO THE MANUFACTURER. ONLY QUALIFIED PERSONNEL ARE AUTHORIZED TO REPAIR THE ELECTRICAL SYSTEM. ANY ATTEMPTS OF SELF-REPAIR AND THEIR NEGATIVE CONSEQUENCES MAY RESULT IN THE LOSS OF WARRANTY.

A detailed description of the operation of electrical components is provided in a separate manual.

4. ROOFING USAGE INSTRUCTIONS AND GENERAL SAFETY RULES

4.1. General Information and Usage

4.1.1. Proper operation and the prevention of failures resulting from improper use are guaranteed by adhering to the guidelines outlined below.

4.1.2. It is strictly forbidden to use the roofing system in conditions or for purposes other than those intended by the manufacturer. The roofing is designed to provide protection against sun and rain.

4.1.3. The entire structure is subjected to loads that may cause oscillating movements. Such movement is not an indication of structural weakness but is considered normal for a composite structure. Therefore, deviations and movement within the structure are acceptable.

4.1.4. It is forbidden to mount any objects on the structure or to install additional fastenings, hooks, or hangers on the roof structure by third parties without the manufacturer's consent – this increases the risk of malfunction and will void the product warranty.

4.1.5. Repeated opening and closing of the roof may cause the electric drive to overheat, triggering a thermal switch that disconnects the power. The motor will not function until the temperature normalizes.

4.1.6. In the event of malfunction or failure of the roofing system, contact the Seller. Any attempts at self-repair of the faulty roof system are strictly prohibited.

4.2. Safety

4.2.1. Caution must be exercised when opening and closing the roof; it is strictly prohibited to touch the structure while it is in operation due to the risk of hand injury.

4.2.2. Before opening or closing the roof—especially during periods of low temperatures—it is necessary to check whether the roof profiles are frozen or if any objects (e.g., branches, balls, etc.) have become lodged between the louvres, which could block the movement of the roof. Activating the system while it is frozen or obstructed may damage the louvre-connecting profiles, guides, or drive components and will not be covered under the manufacturer's warranty.

4.2.3. In the event of a risk of sudden snow sliding from the building roof onto the structure, the roof must be set to the fully open position. Snow sliding from the roof onto a structure with a closed roof may cause serious damage or destruction and may pose a hazard to people nearby.

4.3. Weather Conditions

4.3.1. In the event of strong winds exceeding the permissible limits for the specific structure size, the roof must be opened immediately. Failure to follow this recommendation increases the risk of damage to or destruction of the roof structure, may result in accidents, and will void the warranty.

4.3.2. Weather sensors (if included in the structure's control system) will trigger a weather alarm and perform the corresponding action to ensure user safety or comfort. WARNING! If the power supply is interrupted (e.g. due to a power outage during a storm), the system will not respond. In such cases, the manufacturer is not liable for the operation of the weather automation system

4.3.3. In the case of heavy rainfall, overflow of the structure's gutters may occur, which can cause water to spill directly into the interior of the structure as well as leaks between the profiles. Citing random events and unpredictable weather conditions – this does not constitute a product defect.

4.3.4. To prevent water from seeping under the roof after rainfall, it is necessary to wait approximately 120 minutes after the rain stops before opening the louvres. To allow the residual water on the louvres to drain into the gutters, the initial opening should be done in stages – in manual mode, open the roof to approx. 20% and wait 20 seconds, then open to approx. 50% and wait another 20 seconds.

4.3.5. During hail or freezing rain, it is recommended to fully open the roof to reduce the surface area exposed to damage caused by precipitation or icing.

4.3.6. During heavy snowfall, when the accumulated snow layer may exceed the maximum permissible load (for a module with maximum dimensions this value is 120 kg/m²), the excess snow must be removed from the roof immediately.

4.4. Cleaning and Maintenance

4.4.1. The structure is not self-cleaning. Cleaning should be performed only after the power supply to the roof is turned off. It is recommended to use a soft cloth and water with a mild detergent for this purpose. **WARNING!** Do not use abrasive or corrosive materials to clean the structure or fabrics. Their use may cause permanent damage to the powder coating or fabric, which is not covered by the warranty.

4.4.2. To maintain the efficiency of the water drainage system, it is necessary to check and remove debris such as leaves, needles, and other residues from the gutters at least twice a year. This will ensure the proper flow in the gutters integrated into the support posts of the structure. The manufacturer recommends more frequent cleaning if the construction is installed near trees.

4.4.3. If Tarasola is installed in a location exposed to high levels of contamination, such as areas close to high-traffic roads, near airports, forests, trees that release resin, or industrial facilities emitting pollutants, and dirt is not removed regularly, permanent staining of the profiles may occur, which will be difficult to clean later.

4.5. Final Information

4.5.1. Due to temperature differences, condensation on profiles as well as water vapor forming under the roof is permissible – this does not constitute a product defect.

4.5.2. Color differences between powder-coated aluminum elements within a single batch, as well as between different product batches, are acceptable.

4.5.3. Deviations in alignment between profiles (louvres) and the spacing between them are permissible due to profile warping caused by temperature changes and long-term loads, such as snow.

4.5.4. As a result of temperature variations, components of the structure made from different materials may slightly expand and contract, producing sounds similar to "cracking" or "popping."

4.5.5. The manufacturer is not liable for force majeure events affecting the product, such as weather conditions falling outside the limits specified in the product data sheet, as well as electromagnetic interference, electrical discharges, or power surges in the electrical grid.

THE MANUFACTURER IS NOT LIABLE FOR IMPROPER USE OF THE ROOFING SYSTEM RESULTING FROM FAILURE TO FOLLOW THE USAGE AND SAFETY GUIDELINES PRESENTED IN THE ABOVE INSTRUCTIONS.

5. CERTIFICATES.

Tarasola®

Lublin, 04.08.2025

DECLARATION OF CONFORMITY UE

Nr 002/2025

Tarasola Sp z o.o., ul. Hugo Kołłątaja 5/2, 20-006 Lublin, NIP: 7123459478
hereby declares that the product:

Technic View Pro

Trademark: Tarasola®

It is compatible with the following provisions of implementing provisions in the scope of its regulation implementation of the directives The European Parliament and of the Council (with all the subsequent amendments and supplements):

2006/42/WE - MACHINERY DIRECTIVE
2014/35/UE – LOW VOLTAGE DIRECTIVE

Demonstrating that the harmonized standards and / or technical specifications listed below have been applied:

PN-EN 1999-1-1:2011 – EUROKOD 9 – DESIGN OF ALUMINIUM STRUCTURES
PN-EN 13561:2015-07 - CURTAINS AND AWNINGS - PERFORMANCE REQUIREMENTS INCLUDING SAFETY
PN-EN 60335-1:2012 - HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES - SAFETY - PART 1: GENERAL REQUIREMENTS
PN-EN IEC 60335-2-97:2023-11 - HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES - SAFETY IN USE, PART 2-97: PARTICULAR REQUIREMENTS FOR DRIVES FOR ROLLING SHUTTERS, AWNINGS, BLINDS AND SIMILAR EQUIPMENT

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insofar as it is correctly installed, used in accordance with its intended purpose, applicable regulations, standards, instructions for use and good engineering practice.

This declaration of conformity is the basis for marking the product with the mark CE

This declaration relates to the pergola as placed on the market and does not cover components added by the end user or activities carried out by him.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

On behalf of the manufacturer signed:

Lublin, 04.08.2025

Prezes Zarządu
Piotr Garbacz

CEO

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