



Tarasola Carport

User Manual and Operating Instructions for Tarasola Roofing Systems and Components



Table of Contents

1. SUBJECT OF THE DOCUMENTATION	Błąd! Nie zdefiniowano zakładki.
2. PRODUCT IDENTIFICATION.....	2
3. TECHNICAL SPECIFICATION.....	Błąd! Nie zdefiniowano zakładki.
4. CARPORT USER MANUAL AND GENERAL SAFETY RULES	3
4.1. General information and usage	3
4.2. Safety.....	3
4.3. Weather conditions	Błąd! Nie zdefiniowano zakładki.
4.4. Cleaning and maintenance	4
4.5. Final information.....	4
5. CERTIFICATES.....	5

1. SUBJECT 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 refers to the Tarasola Carport.

Tarasola Carport is a modern carport made of aluminium profiles (supporting profiles and frame) and trapezoidal metal sheet (roof). It is a solid, fixed roofing system with integrated water drainage, which protects the car from sun, rain, wind, and snow. Its minimalist design, aesthetic finish, absence of visible mounting elements, and a wide range of available colors make it easy to blend the Carport into any surroundings. The fixed roofing not only protects the car but also offers an excellent opportunity to install photovoltaic panels on the roof and use the generated electricity to power household appliances or charge an electric vehicle.



3. TECHNICAL SPECIFICATION

The Tarasola Carport is characterized by:

- protection and a watertight roof for the vehicle while simultaneously generating energy,
- the ability to supply power to electric cars, e-bikes, and household appliances (charger up to 22 kW, 32A, 3-phase with Demand Limitation function),
- a high-quality structure resistant to weather conditions (aluminium profiles, T60P trapezoidal metal sheet, LED lighting),
- modularity,
- a concealed mounting system,
- an integrated water drainage system,
- a roof slope relative to the ground set at the correct angle to ensure better sun exposure, and,

consequently, higher power generation,

- sufficient resistance to wind and snow loads,
- exceptional aesthetic finish,
- the option to enclose the walls with a glazing system, a shutters system, and fixed wall panels.

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

The maximum permissible snow load, without wind pressure, is 72–200 kg/m². The permissible loads for specific dimensions are shown in the table.

	WIDTH								
	200	250	300	350	400	450	500	550	600
PROJECTION	SINGLE-BAY					DOUBLE-BAY			
240	200	200	190	120	120	200	200	180	139
265	200	200	190	120	120	200	200	180	139
290	200	200	190	120	120	200	200	180	139
315	200	200	190	120	120	200	200	180	139
340	200	200	190	120	120	200	200	175	133
365	200	200	190	120	120	200	200	162	123
390	200	200	190	120	120	200	200	150	115
415	200	200	190	120	120	200	197	140	107
440	200	200	190	120	120	200	184	132	100
465	200	200	190	120	120	200	174	124	94
490	200	200	190	120	120	200	165	117	89
515	200	200	190	120	120	200	155	111	84
540	200	200	160	120	120	200	148	105	80
565	200	175	140	120	110	195	141	100	75
590	200	160	124	105	90	185	134	95	72
615	175	150	190	120	120	200	155	111	84
640	160	125	160	120	120	200	148	105	80
656	145	115	140	120	110	195	141	100	75
690	120	150	124	105	90	185	134	95	72

Load allowed for deflection limit $f = L/200$



Additional support under the guide rail required.

Table of snow load without wind pressure for roofing with 4 supporting profiles (kg/m²).

4. CARPORT USER MANUAL AND GENERAL SAFETY RULES

4.1. General Information and Usage

4.1.1. Compliance with the following rules guarantees proper operation and prevents failures resulting from improper use: The entire structure is subject to loads that may cause oscillatory movements. This movement is not an indicator of structural weakness but is considered normal for an assembled structure. Therefore, deviations and movements of the structure are permissible.

- 4.1.2. It is forbidden to mount any objects on the structure, install additional fasteners, hooks, or hangers on the roofing structure by third parties without the manufacturer's consent – this increases the risk of failure and results in the loss of product warranty.
- 4.1.3. In the event of malfunction or failure of the roofing, please contact the Seller. It is prohibited to carry out self-repairs of the malfunctioning roofing.

4.2. Safety

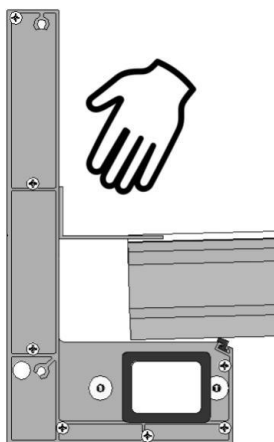
-  4.2.1. Due to the design of the structure, particularly during low temperatures and snowfall, any excess snow on the roofing must be removed immediately.
- 4.2.2. If the structure is installed next to a building, it must be protected against snow sliding from the building roof onto the structure. A sudden snow slide onto the roof may cause serious damage or destruction of the structure and may pose a hazard to people in the vicinity.

4.3. Weather Conditions

- 4.3.1. In the case of heavy rainfall, the structural gutters may overflow, which can cause water to spill directly into the structure as well as leaks between the profiles. Referring to random events and unpredictable weather conditions – this does not constitute a product defect.
-  4.3.2. During heavy snowfall, exceeding the permissible load for the given structure dimensions (see **Snow Load Table**), any excess snow on the roofing must be removed immediately.

4.4. Cleaning and Maintenance

- 4.4.1 The structure is not self-cleaning; washing must only be carried out after disconnecting the roofing from the electrical power supply. It is recommended to use water with a mild detergent and a cotton cloth. **WARNING!** The use of abrasive and corrosive materials for cleaning the structure and fabrics is prohibited. Their use may cause permanent damage to the coating or fabric, which is not covered by the warranty.
-  4.4.2 To maintain the proper operation of the water drainage system, gutters must be inspected and cleared of scraps such as leaves, needles, and other obstructions at least twice a year. This will ensure the flow capacity of the gutters integrated into the supporting profiles of the structure. It is recommended that structures installed near trees be cleaned as often as necessary.



The gutter is accessible from the top of the structure.

- 4.4.3. If the Tarasola is installed in an area exposed to heavy pollution, such as locations near high-traffic roads, areas with intense air traffic, in the vicinity of forests or trees releasing resin, or near industrial plants emitting pollutants, and the dirt is not regularly removed, 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, dew formation on the profiles as well as condensation of water vapor under the roofing is permissible – this does not constitute a product defect.
- 4.5.2 Differences in shade between powder-coated aluminum elements within one batch, as well as between different product batches, are permissible.
- 4.5.3 Deviations between profiles and distances between them are permissible due to profile deflections caused by temperature changes and long-term loads such as snow.
- 4.5.4 As a result of temperature differences, structural elements made of various materials may slightly shrink and expand, producing sounds similar to “cracking” or “popping.”
- 4.5.5 The manufacturer is not responsible for random events affecting the product, such as weather conditions below/above the standards specified in the product data sheet, as well as electromagnetic interference, electrical discharges, and power surges in the supply network.



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, 10.01.2024

DECLARATION OF CONFORMITY UE

Nr 005/2024

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

Carport

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):

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 60335-1:2012 – HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY – PART 1: GENERAL REQUIREMENTS

PN-EN 14782:2008 – SELF-SUPPORTING METAL SHEETS FOR ROOFING, EXTERNAL CLADDING AND INTERNAL LINING – PRODUCT SPECIFICATION AND REQUIREMENTS.

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**

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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, 10.01.2024

Tarasola Sp. z o.o.
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NIP 7123459478, REG. 525986180
KRS 0001050175

Prezes Zarządu

Piotr Garbacz

CEO

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