

Tarasola®



Tarasola Wave

**TARASOLA CANOPY
AND COMPONENTS USE AND
MAINTENANCE MANUAL**

TABLE OF CONTENTS

1 **SUBJECT OF THE DOCUMENTATION.....3**

2 **PRODUCT IDENTIFICATION.....3**

3 **TECHNICAL SPECIFICATION3**

 3.1 Structure3

 3.2 Wind class3

 3.3 Fabric components in the canopy4

 3.4 Technical limitations of the fabrics5

4 **CANOPY USER MANUAL AND GENERAL SAFETY REGULATIONS.....6**

5 **CERTIFICATES10**

1 SUBJECT OF THE DOCUMENTATION

The purpose of this documentation is to familiarize the user with the intended use of the structure, its principles of operation, and rules regarding handling of the Tarasola-branded product. This booklet also contains guidelines for use and service activities.

2 PRODUCT IDENTIFICATION

The description provided refers to a openable roofing, supported by an aluminum structure. The construction is designed solely as an outdoor product, providing rain and sun protection, suitable for both commercial clients and private residential buildings.

Familiarizing oneself with the manual shall ensure the proper functioning of the product.

Compliance with the guidelines therein shall ensure durability of the canopy.

3 TECHNICAL SPECIFICATION

3.1 Structure

The canopy structure consists of an aluminum substructure. The structural elements are thick-walled extruded profiles, coated with a layer of thermally hardened powder varnish. Supporting structure consists of the following elements:

- Aluminum guides – the number and spacing of the guides depends on the width of the unit.
- Supporting profiles – aluminum supporting profile (the quantity of profiles depends on the width of the module. The support profiles are finished with brackets for mounting to the ground.)
- Aluminum anti-wind beams – guide, stretch, and strengthen the material of the beam with the fabric.

Note: there may be slight color differences between various suppliers of paint powders.

3.2 Wind class.

The Wave roofing underwent testing to determine its wind resistance concerning the width and projection of the structure. The maximum wind resistance is 50 km/h.

width (cm)											
projection (cm)	200	250	300	350	400	450	500	550	600	650	700
200	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
250	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
300	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
350	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
400	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
450	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
500	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
550	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
600	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
650	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3
700	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3	klasa 3

Annotations:

The individual wind classes have been met according to tests conducted by Tarasola.

Wind resistance		
Class	Maximum wind speed	Pressure
1	28 km/h	40 N/m ²
2	38 km/h	70 N/m ²
3	49 km/h	110 N/m ²

Pic. 3 Wind Class Comparison – Tarasola Wave

3.3 Fabric components in the canopy.

ORCHESTRA

The acrylic fabric is coated with a special stain-resistant coating. The material weights 290g/m², and it is classified as second class fire-resistant.

Cleaning and maintenance: For fingerprints or grease stains, use water with soap. For water stains, gently wipe with a damp cloth.

TECHPROTECT

Double-sided PVC-coated polyester; embossing within the fabric imitating the fabric on the inside; anti-dust acrylic coating; fabric weight: 850g/m²; fabric thickness: 0.5mm; fracture toughness approx. 250/250 DaN/5cm (ISO 1421), tear resistance approx. 25/20 DaN (DIN 53363); 2nd fire resistance class M2 (NFP 92-507); allowed temperature changes: -30/+70°C; 100% watertight

Cleaning and care: water, light detergent + soft cloth.

SOLTIS W96

1100 Dtex polyester with double-sided PVC coating; micro-perforated PVC cover; shiny coating. Weight 620g/m², tensile strength 220/220 daN/5cm (EN ISO 1421), tear resistance 25/20 daN (DIN 53.363), thickness 0.56 mm, fire resistance: 1st class (UNI 9177-87), 2nd class M2 (NFP 92-507); 100 % watertight.

Cleaning and care: water, light detergent + soft cloth.

SERGE 600 SOLAR

Fabric coated in fiberglass yarns, composition: 34% fiberglass, 48% PVC, 18% laminate. Weight 645g/m². The fabric blocks sunrays out but retains transparency – translucency 3%; fire resistance: 1st class (UNI 9177-87), 2nd class M2 (NFP 92-507); allowed temperature changes: -30°C/+70°C, 100% watertight.

Cleaning and care: water, light detergent + soft cloth.

3.4 Technical limitations of the fabrics

Watertightness – acrylic fabrics are not watertight. They contain microscopic, porous holes where the threads cross. External impregnation applied on acrylic and polyester materials creates a protective layer against dirt, water, and oily substances. During rainfall water drops run down easily when the canopy is sloped. Weather and mechanical conditions gradually reduce the effectiveness of the impregnation.

Rot resistance – the canopy fabrics are usually made of synthetic materials, which do not contain any biodegradable substances. This, in turn, makes them rot-proof. The accumulation of dirt and other naturally occurring substances on the fabric surface, coupled with moisture, may create very good conditions for fabric degradation. Folding of a damp fabric may have an additional negative effect on the condition of the fabric and may cause change in its color. It is important to let the fabric dry before folding it.

Creases – the cobweb effect: creases may form as a result of folding the fabric, the "wrinkle" effect may, particularly when exposed to light, become darker. This, however, does not affect the usability of the fabric and is not covered by the warranty.

Waves – may form close to the sewing or welding of the fabric as well as on the side of the edge, due to double thickness of the fabric.

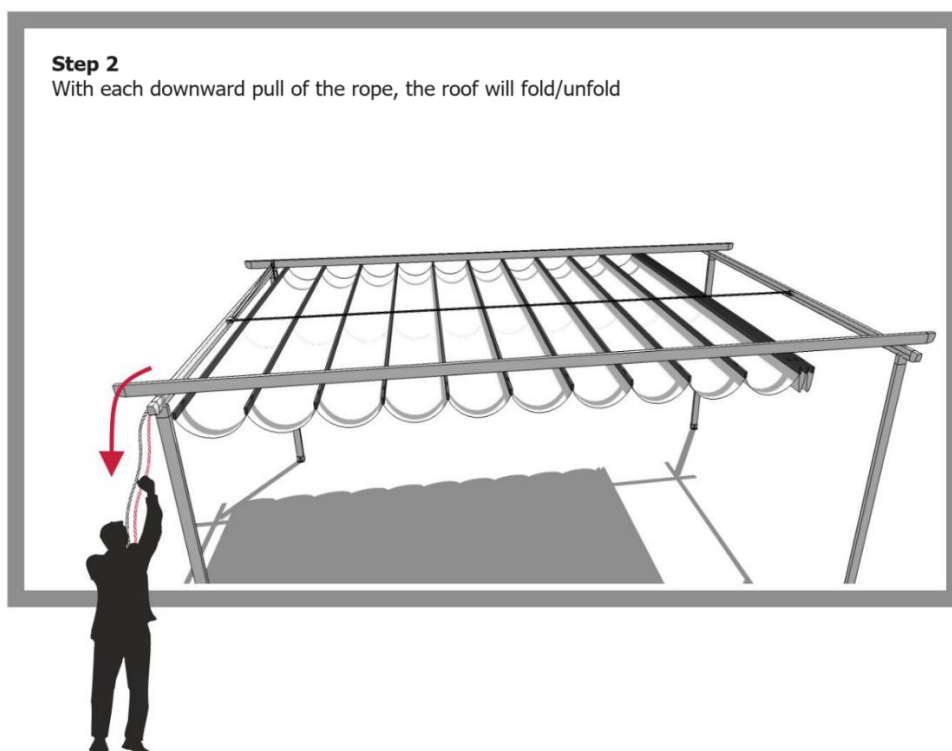
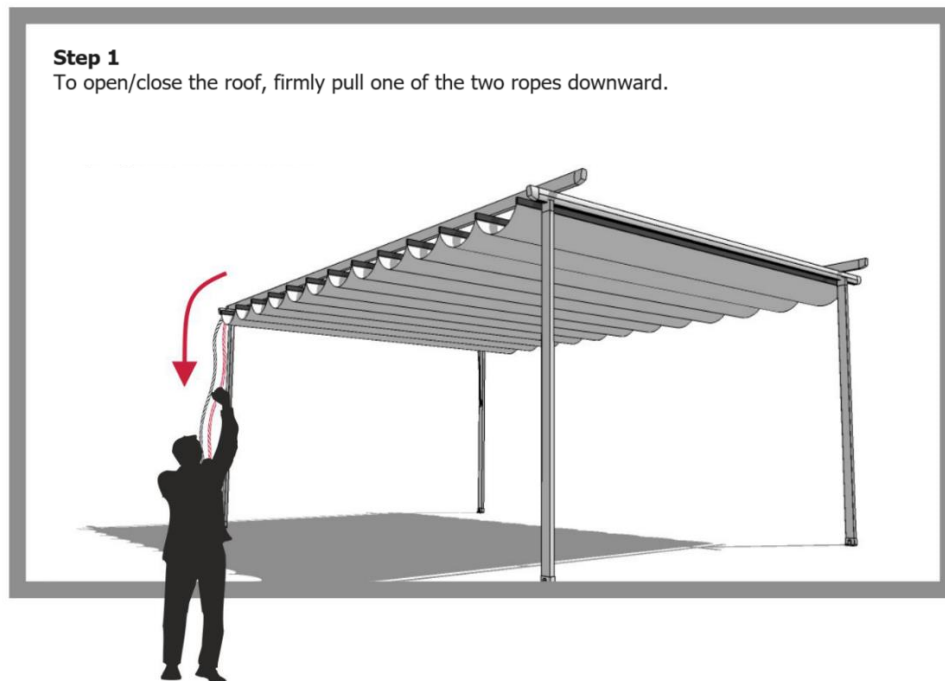
Fraying and abrasion – if the canopy is exposed to constant high winds, it may show signs of wear, tear, and abrasion. This may occur after many years of misuse.

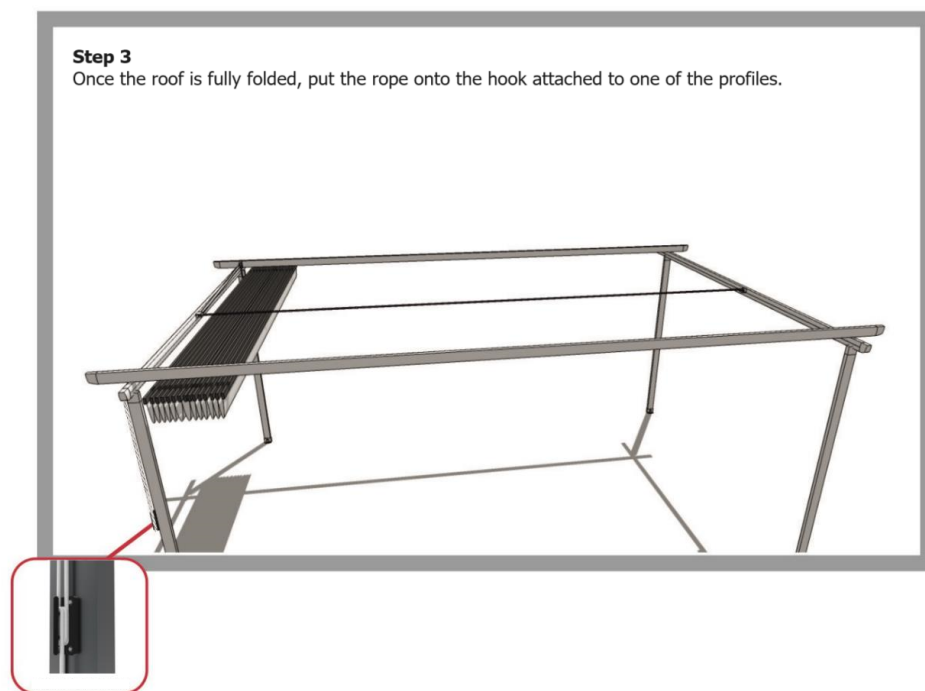
4 CANOPY USER MANUAL AND GENERAL SAFETY REGULATIONS

Proper functioning and avoidance of breakdowns resulting from improper use shall be ensured by following the rules below.



Attention! When folding/unfolding the roof, a slight noise may occur. Below is the operating diagram for the roof.





ATTENTION!

It's important to note that the Wave model is manually operated by two ropes, where one is used for closing and the other for opening the roof.

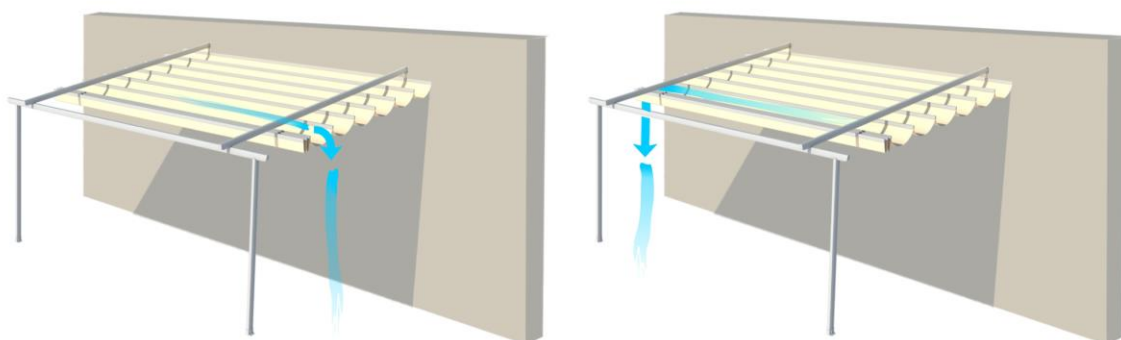


WATER DRAINAGE: The direction of rainwater drainage on one side is achieved by a slight slope of the guiding beams due to the varying lengths of the guiding trolleys: 3 cm, 6 cm, 9 cm.



It should be noted that there is a possibility the rainwater flooding the covered area.

The option of installing a drainage system on one side is available.





The entirety of the support is burdened with a load which may cause oscillatory motion. This motion is not an indicator of structural weakness but shall be considered normal for a complex structure. Therefore, deviations and motions of the structure shall be allowed.



It is forbidden to use the canopy in conditions and for purposes different to those provided for by the manufacturer, which shall be to act as sun, and rain protection.



It is forbidden for third parties to place any items, install additional fixings, hooks, hangers on the canopy structure without manufacturer's consent. This increases the risk of product failure and shall result in the product warranty being voided.



Care must be taken during opening and closing of the roof. Failure to correctly rolling the fabric might lead to the damage of the guiding trolleys.



The structure is not self-cleaning; therefore, cleaning should be done at least twice a month.



Please contact the Manufacturer in the event of a canopy malfunction or failure. Users shall not make any repairs to a faulty canopy.



The manufacturer shall not be liable for random events affecting the product, such as: weather conditions below/ above the standards presented in the product sheet; as well as electromagnetic disturbances, electrical discharges and power surges.



During rainfall, snowfall, hail, and strong winds (exceeding the permissible standards for a structure of a particular size), the canopy shall be folded immediately.



Failure to comply with the above recommendation increases the probability of damage, canopy destruction or accident, as well as loss of warranty.



The canopy is not designed to carry snow loads. In the event there is snow on the canopy panels or the panels are covered in ice, please remove the snow and/ or ice layer immediately.



It is recommended to check the state of the structure - in springtime, before the start of the summer season, and in the fall - before the canopy is closed for the winter season. The structure may be checked more often if alarming events occur. Defects resulting from failure to comply with the above shall not be covered by the manufacturer's warranty.



Due to temperature differences, dew may appear on profiles and on the fabric, as well as condensation of water vapor under the canopy may occur.



Shade differences between aluminum elements coming in in different batches of the product may occur.



Waste causing mechanical damage to the fabric or the structure shall be removed before the roof is folded.



While the canopy is being folded, residual rainwater may pour out from the fabric panels.



Taking into consideration the high level of pollution which leads to acid rain, and in case the structure is installed near roads, air channels, forests, trees with a risk of resin contamination, and additionally it is not cleaned immediately after contamination, then the fabric may get dirty, making it impossible to clean them later.



During very strong winds and heavy rainfall, there is a possibility of rainwater seeping between the fabric and the aluminum guide, resulting in leakage inside the roofing.



The use of highly corrosive cleaning agents may damage the fabric. The manufacturer shall not be liable for such damage. The impregnating agents used within the fabric of the awning require cleaning with a cloth and water only.



Do not use abrasive materials to clean the structure.



It is forbidden to unfold the canopy during snowfall and hail. Failure to comply with this recommendation may damage the fabric, reduce its properties and, as a result, tear it.



Using the canopy during conditions exceeding the indicated wind standard may result in damage or destruction of the canopy.



It is forbidden to place any items or objects on the material of the structure.



The alignment of the fabric fold at the seal welding point may slightly differ in appearance from the part of the fabric where the seal was not welded. However, this does not affect the aesthetics or functionality of the roofing.



Under the influence of temperature differences, structural components made of a variety of materials can contract and expand minimally, and make some noises.

THE MANUFACTURER SHALL NOT BE LIABLE FOR INCORRECT USE OF THE CANOPY RESULTING FROM FAILURE TO COMPLY WITH THE USE AND SAFETY REGULATIONS PROVIDED IN THIS MANUAL.

Tarasola®



Lublin, 10.01.2024

DECLARATION OF CONFORMITY UE

Nr 007/2024

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

Wave

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):

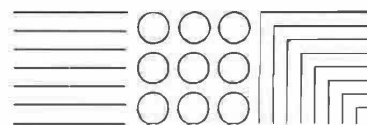
2006/42/WE – MACHINERY DIRECTIVE
2014/35/UE – LOW VOLTAGE DIRECTIVE

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
PN – EN 1932:2013 – 09 EXTERNAL BLINDS AND SHUTTERS. RESISTANCE TO WIND LOADS. METHOD OF TESTING AND PERFORMANCE CRITERIA

Tarasola Sp. z o.o.
ul. Hugo Kołłątaja 5/2, 20-006 Lublin
NIP 7123459478 KRS 0001050175
REGON 525986180

Tarasola.com





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, 10.01.2024

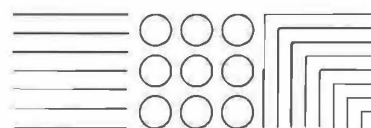
Tarasola Sp. z o.o.
ul. Hugo Kołłątaja 5/2, 20-006 Lublin
NIP 7123459478, REG. 525986180
KRS 0001050175

Prezes Zarządu
Piotr Garbacz

CEO

Tarasola Sp. z o.o
ul. Hugo Kołłątaja 5/2, 20-006 Lublin
NIP 7123459478 KRS 0001050175
REGON 525986180

Tarasola.com



Tarasola®



■ www.tarasola.com