

# Datasheet

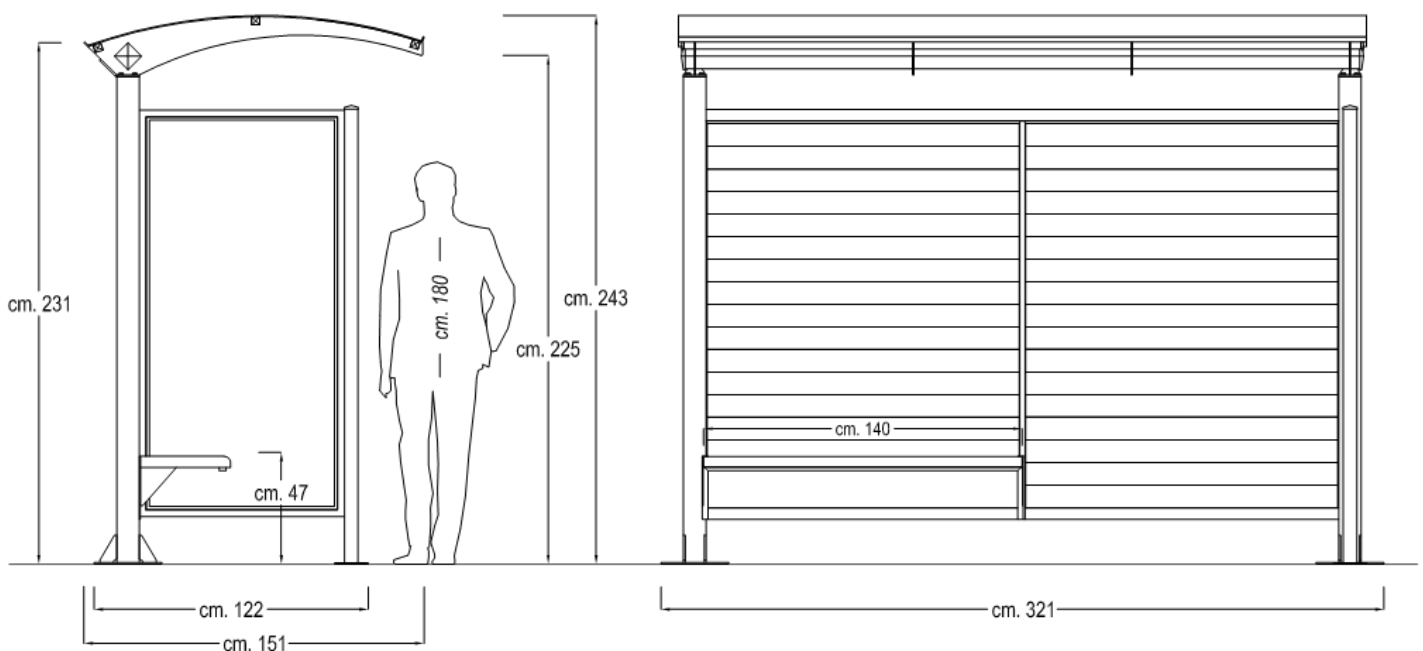
Alessandra Wood shelter

Product code 447-W

Rev. 0 of 16/03/2018



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Dimcar reserves the right to make, at any time, changes on the products deemed useful to improve the quality of the same; the images contained in the sheets may not faithfully reproduce the real colors of the items.

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## DESCRIPTION

### Structure

Made up of 2 vertical uprights made of 100x100x2 mm galvanized steel square tube; each single upright is complete with a base plate made of 8 mm thick galvanized sheet metal, equipped with holes for fixing to the ground. The uprights are consolidated to the plates through triangular stiffening gussets made of 8 mm thick galvanized sheet metal.

- Shaped upper arches, in 5 mm thick galvanized sheet metal, obtained by high definition plasma cutting and connected to each other by horizontal crosspieces in 80x80x2 mm and 35x35x2 mm galvanized steel square tube; each crosspiece is characterized by shaped galvanized steel terminals.
- Back wall made up of 2 crosspieces (upper and lower) in 50x50x2 mm galvanized steel square tube; cladding made with 10 mm thick Nordic pine wood strips. 80x20 fixed on a special perimeter frame in galvanized steel profile.
- Side wall made of a perimeter frame in galvanized steel profile, thickness mm. 1.5; front upright in galvanized steel square tube, mm. 60x60x2, equipped with a base plate with holes for fixing to the ground;
- transparent laminated glass infill, thickness 4+4, with polished edge, inserted into the frame with special perimeter gaskets and supported by a galvanized steel glass holder, thickness mm. 1.5.
- Roof made of shatterproof compact smoked polycarbonate, thickness mm. 5, protected against UV rays and particularly suitable for outdoor use; the roof is characterized at the front and rear by a gutter, formed by a special shaping of the panel, for the collection and drainage of rainwater.

### Bench

Made of galvanized steel profile supports designed for assembly to the rear wall, seat made with 4 Nordic pine wood slats, one of which has a rounded front profile.

**Overall weight:** 306Kg

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COLOR FINISH AS PROVIDED IN THE CATALOG



RAL 7016  
( Steel parts )

Customers can request a different finish from the RAL color options available on our website.

## PRODUCT OPTIONALS

Product code 447-W-DIM - Alessandra Wood shelter installation template



Product code 500 - photovoltaic

## PRODUCT VARIANTS



Product code 447 - Shelter Alessandra with self-supporting



Product code 447-BIS - Alessandra shelter with side walls

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## ANTICORROSIVE TREATMENTS AND FINISHES

### Washing

Spray treatment for removing oil and grease from metal surfaces using special degreasing liquids. Subsequent drying in dryer for 15 minutes.

### Sandblasting

Manual sandblasting process with river sand, which increases the porosity of metal surfaces and thus the adhesion of thermosetting powders.

### Anti-corrosive application

First painting cycle with an anticorrosive thermosetting powder primer based on epoxy resins and special pigments. It provides adequate protection against weathering.

### Anticorrosive polymerization

Baking in an industrial curing oven at a temperature of 180°C. During this stage, the powder turns into a uniform, smooth and durable coating.

### Colored finish application

Final coating cycle with thermosetting powders. Application follows the same principles as the anticorrosive.

### Polymerization colored finish

Final baking in an industrial curing oven at a temperature of 180°C. The procedure follows the same principles as the curing of the anticorrosive. The powder is transformed into a uniform coating, and the surface appearance takes on the characteristics of the chosen color type, e.g. smooth, textured, wrinkled, etc.

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## MAINTENANCE PLAN FOR WOODEN PARTS

For a long service life of wood planks, periodic maintenance work is necessary, therefore, **maintenance** is recommended **every three to six months and in any case once a year**.

For periodic maintenance, carry out light sanding with a 150-grit abrasive sponge, apply a thin coat of Adler Oil, absolutely avoiding the formation of layers.

For renewal of aged and graying elements, proceed with a thorough sanding with a 150-grit abrasive sponge in the direction of the fibers, removing any residue of existing paint.

Proceed with an initial brush application of water-based Adler Teak impregnating agent. After 12 hours, apply a second coat of clear Adler Teak Oil by brush and then pull off excess product with a soft cloth.

Please note, necessary maintenance products such as Oils and impregnants are not included in the product supply but can be requested separately.

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## DELIVERY

Product supplied in assembly kit with steel hardware and instructions for mounting and grounding.

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## FIXING

The structure must be installed by means of cement foundation and anchoring with anchor bolts. The positioning of the anchor bolts is carried out with the help of special jig (not supplied, can be requested as an accessory item). Please note, the type of foundation to be built should be evaluated by local qualified technician, depending on the characteristics of the ground on which the carport will be installed.

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## CORPORATE CERTIFICATIONS

### ISO 9001:2015

Quality management system.

### UNI EN ISO 3834-3:2021

Welding quality management system.

### EN 1090-1:2009

The product bears CE Marking in accordance with EN 1090-1:2009 in execution class EXC1.

### Processing center

Certificate of Processing Center

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