

Datasheet

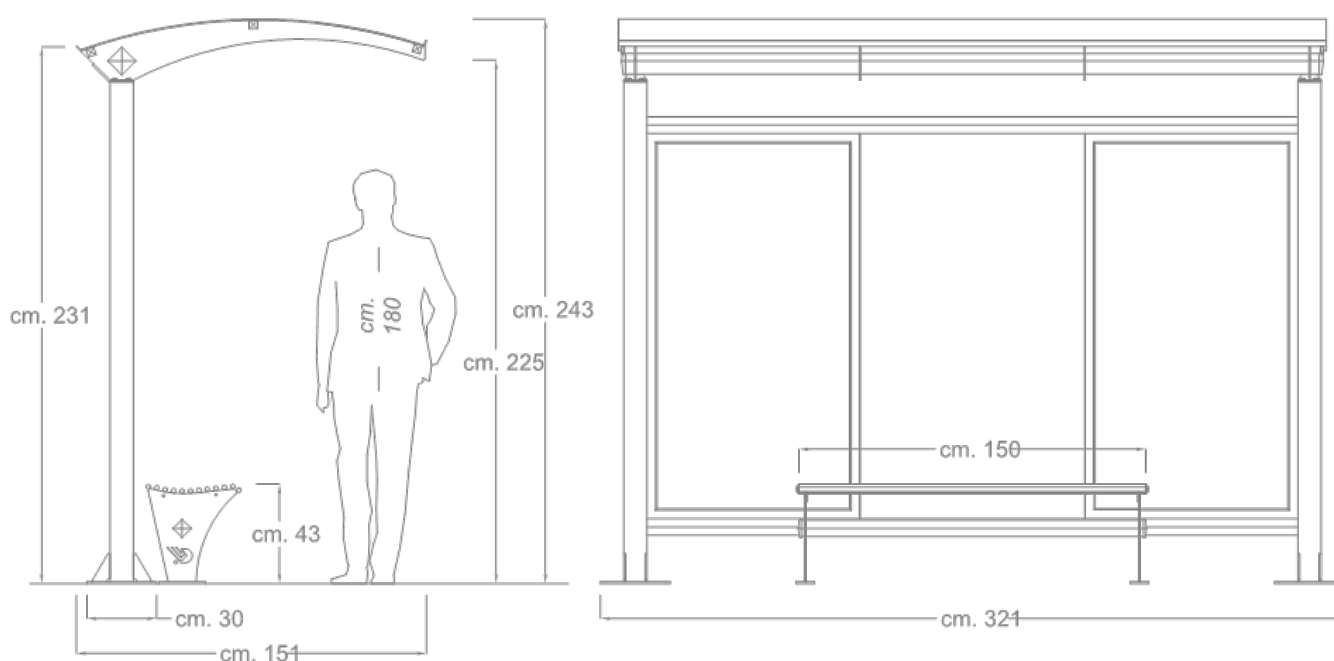
Shelter Alessandra with self-supporting

Product code 447

Rev. 0 of 26/09/2017



1/5



Dimcar has the authority to make changes to the products that are useful for improving their quality. The images on the cards may not accurately portray the actual colors of the articles

Datasheet

Shelter Alessandra with self-supporting

Product code 447

Rev. 0 of 26/09/2017



DESCRIPTION

Structure

Consisting of 2 vertical load-bearing structures made of 100x100 mm galvanized steel square tube, 3 mm thick; each single upright is complete with a base plate, made of 8 mm thick galvanized sheet metal with circular holes for anchoring to the concrete foundation; stiffening triangles welded between the base plate and the load-bearing structures, in 8 mm thick galvanized sheet metal. 4 shaped upper arches, in 5 mm thick galvanized sheet metal obtained by laser cutting, connected to each other by horizontal crosspieces in 80x80 mm galvanized steel square tube, 3 mm thick and 30x20 mm thick. 3. Each crosspiece is distinguished by shaped galvanized steel terminals.

- Back wall consisting of 2 crosspieces (upper and lower) in 50x50 mm galvanized steel square tube, 3 mm thick. 3. Central module made of galvanized sheet metal box. Lateral modules in transparent laminated glass, thickness 4+4, with polished edge, inserted in a special frame with appropriate perimeter gaskets and supported by a glass holder in galvanized steel, thickness 1.5 mm.
- Roof made of compact, shatterproof, UV-protected, smoked polycarbonate, particularly suitable for outdoor use, thickness 5 mm. 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 2 supports, harmonized with the upper arches, in galvanized sheet metal, thickness 5 mm, obtained by laser cutting; both supports are connected to each other by a crosspiece in galvanized steel square tube, thickness 5 mm. Base plates, welded to the supports, made of galvanized sheet metal, thickness 5 mm; both plates are provided with circular holes for fixing to the ground.

- Seat made up of 12 profiles in round tube of galvanized steel Ø mm. 20x1.5 complete with PVC end caps with spherical head.

Total weight: 279Kg

2/5

Dimcar has the authority to make changes to the products that are useful for improving their quality. The images on the cards may not accurately portray the actual colors of the articles

Datasheet

Shelter Alessandra with self-supporting

Product code 447

Rev. 0 of 26/09/2017



COLOR FINISH AS PROVIDED IN THE CATALOG



Gun metal gray
(Steel parts)

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

PRODUCT OPTIONALS

Product code 447-DIM - Template for cantilevered Alessandra shelter installation



Product code 500 - photovoltaic

PRODUCT VARIANTS



Product code 447-W - Alessandra Wood shelter



Product code 447-BIS - Alessandra shelter with side walls

Dimcar has the authority to make changes to the products that are useful for improving their quality. The images on the cards may not accurately portray the actual colors of the articles

Datasheet

Shelter Alessandra with self-supporting

Product code 447

Rev. 0 of 26/09/2017



ANTICORROSIVE TREATMENTS AND FINISHES

Washing

Spray treatment is used to get rid of oils and fats from metal surfaces by using special degreasing liquids. The process involves drying in a dryer for 15 minutes.

Sandblasting

The porosity of metal surfaces is increased by the manual sandblasting process with river sand, which results in an increase in thermosetting powder adhesion.

Anticorrosive application

The first step in the coating process involves using a thermosetting powder anti-corrosion base made of epoxy resins and specific pigments. It provides enough protection against the elements.

Anticorrosive polymerization

The process involves cooking in an industrial curing oven at 180°C. In this step, the powder is transformed into a coating that is uniform, smooth, and lasting.

Polymerization coloured finish

The final phase of coating with thermosetting powders. The application complies with the same principles as the anti-corrosion.

Polymerization colored finish

The final product will be cured in an industrial curing oven at a temperature of 180°C. The procedure is based on the same principles as the polymerization of the anti-corrosion agent. The powder becomes a uniform coating, and the surface becomes the characteristics of the chosen color type, including smooth, peeled, or wrinkled, etc.

4/5

Dimcar has the authority to make changes to the products that are useful for improving their quality. The images on the cards may not accurately portray the actual colors of the articles

Datasheet

Shelter Alessandra with self-supporting

Product code 447

Rev. 0 of 26/09/2017



DELIVERY

The product comes with an assembly kit that includes steel screws and instructions for mounting and fixing.

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.

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 EXC2.

Processing center

Certificate according to Italian Law D.M. of 17 Jan 2018

5/5

Dimcar has the authority to make changes to the products that are useful for improving their quality. The images on the cards may not accurately portray the actual colors of the articles