

1. PRODUCT IDENTIFICATION

Panel s

PANELS HP-PUR F, HP-PIR F, HP-PIRM F

PANELS HP-PUR CT, HP-PIR CT, HP-PIRM CT

PANELS HP-PUR ST, HP-PIR ST, HP-PIRM ST

2. COMPOSITION

The insulating and self-supporting sandwich panel is made up of two metal faces of galvanized steel pre-lacquered, or stainless steel, and a rigid polyurethane (PUR) or polyisocyanurate foam core (PIR / PIRMS).

USE OF THE PRODUCT:

PanelHP-F: To install on walls and ceilings, on steel structures and steel and aluminum ceiling profiles. The longitudinal union is made by means of a double tongue-and-groove. Fixation to the structure by means of "Chinese" or "Japanese".

PanelHP-C T: To install on roofs with ribs in the direction of the slope and to fix on steel, concrete or wood structures. The longitudinal union is made by tongue-and-groove of the inner face and the panel is fixed to the structure by half-waves sides. Once the panels are joined, it is complemented with a flashing that covers the screws and that it is placed under pressure. The screws will be suitable for the thickness of the panel and the nature of the support.

PanelHP-ST: To install on facade and interior walls in vertical or horizontal position, on steel, concrete or wood structures. It is essential to respect the outer face and face inside. The longitudinal joint is made by tongue and groove on the inner face and cover the fixings by means of the flange of the adjacent panel. the hardware will be appropriate to the atmosphere, the thickness of the panel and the nature of the support.

3. MAINTENANCE

Prior to the maintenance instructions, it must be taken into account that only with the appropriate choice of panel covering based on the environment where it will be installed can be guaranteed the expected durability of the product. In the technical sheets of each type of panel there is a table of use of different coatings.

3.1. ASPECTS TO TAKE INTO ACCOUNT BEFORE AND DURING THE INSTALLATION

1. The storage of the products on site may not exceed a period of one month from their delivery.

2. Store the packages on a flat and ventilated surface with a maximum inclination of 10°.
3. Do not exceed the number of panels stored overlapping. Maximum 2 packages overlapping.
4. It is recommended to deposit the plates in a covered place, if it is not possible, protect them with fabrics non-transparent raincoats Based on the information provided by the sheet metal supplier, integrity of pre-lacquered coating cannot be guaranteed on panels stored inside of the package for a period of more than 3 months in zones 1 and 2 defined by the guarantee of the supplier. In case of exposure of the package to moisture condensation or exposure direct sunlight this period may be reduced.
5. It is recommended to deposit the plates in a covered place, if it is not possible, protect them with fabrics non-transparent raincoats Based on the information provided by the sheet metal supplier, integrity of pre-lacquered coating cannot be guaranteed on panels stored inside of the package for a period of more than 3 months in zones 1 and 2 defined by the guarantee of the supplier. In case of exposure of the package to moisture condensation or exposure direct sunlight this period may be reduced.
6. Immediately remove the protective film (if any) as the panels are fixed to the structure.
7. Check that there is no possibility of galvanic couples that cause corrosion of the steel.
8. It is recommended to ground the panels and the supporting structure to avoid the accumulation of static electricity.

3.2. ASPECTS TO BE TAKEN INTO ACCOUNT WHEN USING THE PRODUCT

1. During the useful life of the panel, an inspection must be carried out at least annually, maintenance and cleaning in order to identify any accidental degradation of the protective coatings. If a degradation is detected, it is necessary to anticipate how much before the necessary maintenance to guarantee the continuity of the coating.
2. During the useful life of the panel, a minimum of one annual cleaning with clean water and from top to bottom. If necessary, a neutral pH-based soap solution can be used. 10% household detergent and water. The maximum application temperature of the water is 30°C and in case of using a pressure machine it should be adjusted below 20 bar.
3. Before proceeding to clean the entire surface, carry out a small test with the product in an inconspicuous area to rule out any cosmetic damage.
4. In case of stains stuck to the surface of the panel, especially when they are recent, it is usually it will suffice to carefully rub the stain (without applying too much pressure) with a damp cloth.
5. Sealants and mastics that may adhere to the surface during installation can Wipe clean with a damp cloth soaked in a 15% alcohol-in-water solution. There are be careful to wash the surface with clean water immediately after performance. Never apply the solution directly on the surface, always with a cloth.

6. Whenever possible, remove dirt before it has dried on the surface. it is especially important in the case of bitumen or tar.

7. Take precautions not to carry out work near the panel that could cause punching or damage to the sheet metal coating.

In the case of ROOF PANELS

To guarantee its durability, it must have a minimum slope of 5% in the absence of overlaps and 7% with overlaps. To carry out a correct maintenance of the This building must have access systems that enable access to:

- Periodically clean the bottom of the channels and the mouths of the downspouts. litter, soil, moss, etc.
- Periodically clean the areas of the cover where foreign elements accumulate.
- It is advisable to take precautions so as not to cause punctures or damage to the sheet metal covering during access and tasks involving normal use of the cover. In the event of accidental degradation of the protective coatings, provide for the necessary maintenance to guarantee the continuity of the coating.
- Periodically check the condition of the joint seals. Reseal if observed alterations.

In the case of PANELS FOR AGRI-FOOD USE, in addition:

- Use cleaning agents with a neutral PH between 4 and 9.
- Plan the cleaning respecting the concentration, application pressure and time of contact of the product indicated in the technical data sheet of the manufacturer of the product of cleaning. In general terms, it is recommended that the contact time between the agent and the panel is less than 30 minutes.
- - Avoid the use of chlorinated products and abrasive substances for cleaning panels of pre-lacquered steel.
- - After application, always wash abundantly and immediately with clean water.
- - In the chambers, the good condition of the seals must be inspected continuously and the auctions. Any damage to the seals must be repaired immediately before the permanent contact of confined surfaces with water and/or cleaning agents can definitely damage them.

4. RECOMMENDATIONS FOR PAINTING

According to the recommendation of our supplier of pre-lacquered sheets, for painting the panel, proceed:

- If the paint is damaged and the zinc plating is visible:
 1. Surface cleaning
 2. Apply a light epoxy-polyurethane type primer
 3. Apply acrylic-polyurethane paint over the primer
- If painting is done on the pre-lacquered paint:
 1. Surface cleaning
 2. Apply an acrylic-polyurethane paint