

BANDA ELÁSTICA PVC



DESCRIPTION

PVC-P synthetic sheet obtained by co-extrusion. Especially designed for tanks and pools waterproofing intended to contain liquid food substances and drinking water.

ADVANTAGES AND USES

- High mechanical strength.
- Excellent elasticity.
- Resistant to gases generated by waste-water treatment.
- Resistant to chemical products that may be present in drinking or service water.
- It does not affect water quality and it is antibacterial.
- Good weather stability.
- Elasticity at low temperatures.
- Resistance to aqueous solutions of sodium hypochlorite.
- Good weather stability.
- Excellent joint sealing system combined with Morcemrest Epoxy T adhesive or Carbotec Lámina adhesive.
- Sealing of working joints, expansion joints, connections, cracks...
- Repair of deteriorated joints between buildings.
- Suitable for use in joints in drinking water tanks.
- It complies with EU Regulation 10/2011 on plastic materials intended to meet food

SUITABLE SUBSTRATES

The surface must be clean, free of dust, greases, or spare particles. It is advised to carry out a drip with sand or pressurized water (200 atm), which can sometimes be substituted by a mechanical or manual brushing, etc.

APPLICATION PROCEDURE

Preparing the BANDA ELÁSTICA PVC:

- Clean the strip, remove any sing of dirt and dust.

Preparing MORCEMREST EPOXI or CARBOTEC LÁMINA ADHESIVE:

- Add component B into component A and mix with an electric mixer at low speed (400-600 RPM) until getting a complete uniform colour mixture.

Application:

- Overlap the strip on the joint to calculate the area to be treated with MORCEMREST EPOXY T or CARBOTEC LÁMINA ADHESIVE, protruding at least 2 cm at each end of the strip with the adhesive.
- Spread MORCEM EPOXI T or CARBOTEC LÁMINA ADHESIVE where required. The thickness of the adhesive may vary 1 to 2 mm depending on the substrate.
- Place the strip on the MORCEM EPOXI T or CARBOTEC LÁMINA ADHESIVE coat before 30 minutes after applying the adhesive.
- Press the strip using pressure rollers until the adhesive comes out through the anchoring perforations of the strip, ensuring complete bonding of the strip with the adhesive over 100% of the surface.
- Finally, apply another coat of 1 or 2 mm of MORCEMREST EPOXI T or CARBOTEC LÁMINA ADHESIVE over the strip (previously cleaned) ensuring that it protrudes about 2 cm from the ends of the BANDA

CONCRETE REPAIR

BANDA ELÁSTICA PVC

RECOMMENDATIONS

- ELASTICA PVC This, combined with the previously applied coat, creates a sandwich effect with the strip in between.
- The BANDA ELASTICA PVC contains, along its entire length and 1 cm from its two edges, two rows of perforations spaced 5 cm apart to improve its adhesion.
 - The BANDA ELÁSTICA PVC being thermoplastic, is easily welded using hot air, whether for corner joints or other connections. Only the blowtorch and pressure rollers should be used. The efficiency of the welding depends on the air temperature and welding time. The bonding surface must have a minimum of 50 mm.
 - For large movements or very wide joints, place part of the strip inside the joint forming a "U".
 - In joints where there is positive hydrostatic pressure, it is recommended to use a joint filler or sealing filler, and in the case of negative hydrostatic pressure (0.3-0.4 bar), installing a steel plate as reinforcement for the strip is recommended.

- Do not apply on surfaces with water and moisture above 4%.
- Do not mix MORCEMREST EPOXI T or CARBOTEC LÁMINA ADHESIVE at temperatures below +7°C or above +20°C.
- Regarding the chemical resistance to salt-water, certain acids, and diluted bases, it will depend on the concentration, exposure temperature, and tank conditions. We recommend consulting with the technical department or conducting a preliminary exposure test for certain types of chemical substances.
- Product based on epoxy which can irritate the skin, so it is recommended to always use it with gloves, protective goggles, and safety suits.
- The tools and equipment should be cleaned with solvent immediately after use to prevent the adhesive from hardening, which will need to be removed with mechanical means.
- Consult with the Technical Department for any application not specified in this Technical Data Sheet.
- For any information regarding safety in handling, transportation, storage, and use of the product, please refer to the label and the updated version of the product's Safety Data Sheet.

PACKAGING AND STORAGE

Thickness: 1,2 mm
Width: 100/150/200/250 mm
Length: 20 m lineal. The strip is perforated longitudinally at its ends every 5 cm.

TECHNICAL DATA

Colour	Azul Claro (Light Blue)
Non-reinforced flexible PVC membrane	
Elongation to break	(EN 12311-2): $\geq 200\%$
Tear resistance	(EN 12310-1): ≥ 30 N

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.