

VIAJUNTA PVC

Precast PVC waterbar (O12, O22, O33)

DESCRIPTION

Viajunta PVC is a precast thermoplastic PVC waterbar (water stop) with high physio-chemical resistance and excellent deformability. It is indicated for the sealing/waterproofing of joints in concrete structures that are subject to excessive pressures and movement, and is available in various formats and dimensions.

TECHNICAL CHARACTERISTICS OF THE PRODUCTS

The choice of waterbar to be used depends on various factors, such as the water pressure acting on the joint, the dimensions of the work area and its structural reinforcement, and even the purpose of the joint.

Characteristics	
Types of waterbar	O12, O22 and O33
Widht	12 to 35 cm
Tests	Results
Tension at rupture	12 MPa
Elongation at rupture	280%
Shore A Hardness	80 +/- 5

NORMS

Meets the specifications of NBR NM 07

ADVANTAGES

- Excellent resistance to various chemical agents.
- Excellent resistance to aging.
- Provides strong sealing of concrete joints, even when exposed to high water pressures.
- Easy to install simply by heating, by autogenous welding.

UTILIZATION

- In expansion joints and in the concreting for construction of barrages, reservoirs, swimming pools, tanks, water and sewage treatment plants, storm drains, screen walls, foundations, basements and underground structures, bridges, etc.

USAGE INSTRUCTIONS

Application of Viajunta PVC

The application of the Viajunta PVC waterbar should be executed by a process that ensures the waterbar will remain in the position determined by the project, without any dislocation caused by vibration of the concrete.

The concrete should be of high plasticity in order to facilitate densification. The inclination of the vibrator is fundamental (Figure 2) so that the flaps of the Viajunta PVC are surrounded by the concrete to ensure the watertightness of the joint. First execute the fixing of only one of the flaps of the waterbar. Proceed

with the perforation of the extremities of the flaps using a pointed instrument (nail), with perforations spaced 25 to 30 cm apart along the entire length of the waterbar.

The fixing of the waterbar can be executed using clamps, staples or special brackets anchored directly on the reinforcement framework, as shown in Figure 1. Subsequently adopt the same procedure when concreting the other face of the joint (Figure 2). The bulb of the waterbar should always be centered/aligned with the axis of the joint, as shown in Figure 1.

Installing the Viajunta PVC waterbar should be implemented by autogenous welding, with prior heating of the edges of the product at a temperature of 150 °C. Use a heated knife or metallic plate longer than the waterbar to be installed, applying it directly to the borders of the waterbar. When the borders of the waterbar have melted, the knife/metallic plate should be removed and the borders pressed one against the other, thus becoming joined from the top. This operation must necessarily be executed by a minimum of two persons.

The choice of the type of waterbar and its width are determined by the hydraulic pressure acting on the joint and the dimensions of the structure:

Hydraulic Pressure	
12 cm waterbar	Up to 5 meters
22 cm waterbar	Up to 30 meters
33 cm waterbar	Up to 60 meters
Dimensions of Structure	
12 cm waterbar	Small structures
22 cm waterbar	Mid-size structures
33 cm waterbar	Large structures

With regard to type of joint, the choice is generally left to the project manager, taking into account the local conditions of the worksite.

CONSUMPTION

Viajunta PVC	Length of Waterbar
Expansion joints	1 meter of Viajunta PVC per meter of the joint

PACKAGING

Viajunta PVC	Packaging
Viajunta O12	Spool of 25 meters
Viajunta O22	Spool of 25 meters
Viajunta O33	Spool of 20 meters

VALIDITY / STORAGE

Sixty (60) months from date of manufacture, in original intact packaging, in a covered, dry, ventilated location, far from sources of heat

SAFETY RECOMMENDATIONS

Prior to starting work consult the respective SSCP (Safety Information Sheet for Chemical Products), accessible on your site: www.viapol.com.br

Use adequate PPE such as gloves, facial protection mask and safety eyewear.

Store the product out of the reach of children and domestic animals.

In case of irritation of the skin or ingestion of the product, seek medical assistance, describing the type of product involved. In case of ingestion, do not induce vomiting and seek medical assistance immediately.

ENVIRONMENTAL PRECAUTIONS

Dispose of waste materials and residuals in an appropriate location, in accordance with regulations arising from local environmental legislation in force and the nature of the material or product. Do not reuse empty packaging.

For further details consult the SISCP for the product **Viajunta PVC** and our website at www.viapol.com.br

Note: The information contained in this datasheet is based on our best knowledge and is provided for your help and guidance. We need to point out that the performance of our products depends on the preparation condition of the surface and the storage and application of the product, factors not subject to our control. The consumption of the products in practice depends on the application technique, the condition of the equipment used, and the surface to be coated. We do not, therefore, accept any responsibility of any nature regarding the consumption and performance of our products arising from inadequate storage or use of the products. For further clarification please consult our Technical Department.

Viapol reserves the right to alter the specifications and/or information contained in this datasheet without prior notice.