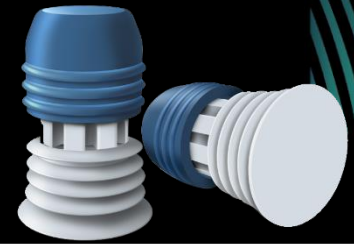


# PLUGSEAL P

HYDROEXPANSIVE PLUG FOR PVC TUBULAR FORMWORK SPACERS



## PRODUCT DESCRIPTION

DRYKOS PLUGSEAL P is a special hermetic sealing device for PVC tubular formwork spacers, consisting of a rigid core made of polyamide plastic material and a corrugated cap made of hydroexpansive rubber. The core of DRYKOS PLUGSEAL P is equipped with special circular lamellae that surround it. When correctly inserted into the spacer, these lamellae ensure mechanical sealing at high pressures, preventing the sealing element from being dislodged from its position even in the presence of negative pressure. The hydroexpansive cap of DRYKOS PLUGSEAL P is designed to provide a hermetic seal to the interior of the tubular spacer.

## FEATURES

From the perspective of mechanical pressure resistance, various tests conducted in different independent European laboratories have shown that the hermetic device DRYKOS PLUGSEAL P can withstand pressures of up to 0.5 MPa (4.93 atm) in negative pressure when applied correctly. It's worth noting that the product also passed the test under the worst possible conditions, meaning instant application of a peak pressure of 0.5 MPa before the expansive seals could be even minimally hydrated. The tests were carried out using a tubular spacer unit of 2 meters, commonly available on the market, inserted into a block of hardened concrete to simulate actual usage conditions. The pressure resistance tests were conducted with a peak pressure duration of no less than 72 hours. It's important to note that the sealing capability in the case of installing DRYKOS PLUGSEAL P in positive pressure is certainly much higher due to the inherent geometry of the product.

## AREA OF APPLICATION

Used in the construction of underground concrete structures using metal formwork, where the wall is in direct contact with the ground and there is no external waterproofing layer on the wall: basements, cellars, underground garages, underground and semi-underground environments, etc. DRYKOS PLUGSEAL P is designed for tubular spacers with an internal diameter of 21 mm, typically used in construction.

## CONSUMPTION

2-4 pieces/m<sup>2</sup>

## APPLICATION METHOD

DRYKOS PLUGSEAL P is used after removing the metal formwork on existing spacers within the concrete. Simply insert the sealing device by hand into each empty spacer, pushing it as far as it can go, and finish by gently tapping it with a hammer until fully seated. While DRYKOS PLUGSEAL P is designed to withstand pressures of up to approximately 5 bar in negative pressure situations (when placed inside the wall), it's advisable to use it even in positive pressure scenarios. In such cases, insert it from the exterior side of the wall after removing the formwork and before recompaction.

## LIMITATIONS

It is advisable to use the product in combination with non-"preformed" spacers (which often have varying diameters depending on the model and could compromise the hermetic sealing at high pressures of the sealing device). It is recommended to use spacers sold in rods that can be cut to size directly on the construction site. The insertion of DRYKOS PLUGSEAL P into spacers that are not in place (without external restraint) could lead to the breaking of the spacer itself. In cases of expansion with very marked volume variations (>500%), and in the absence of restrictive conditions, superficial tears could occur; these phenomena do not compromise the functionality of the hermetic device at all, especially not in normal operating conditions, where the expansive phenomenon is constrained in terms of the occupiable volume (inside the spacer).

## HEALTH AND SAFETY

During the application, the ground should be protected from wind and direct sunlight. The indicated consumption amount is general information and may differ due to application conditions and surface features. Use gloves, mask, and glasses during the application. For further instructions on a safe use of the product please refer to MSDS.

## STORAGE

Store the product in its original packaging in a cool, dry place away from sunlight.

## WARRANTY

If the product is found to be defective, Drykos liability is limited to replacing the product itself. As Drykos has no control over the use of the product by the user, the latter must ensure that the product is suitable for the intended use, assuming all risks and responsibilities related to it.

## PACKAGING

Bag of 100 pieces

## TECHNICAL SPECIFICATIONS

<b>Colour</b>	Blue
<b>Suitable for contact with drinking water</b>	Non-toxic material
<b>Hydro-expansive Range</b>	<b>+900%</b>
<b>Diameter</b>	21 mm
<b>Allowed support</b>	Concrete
<b>Flammability</b>	Not inflammable
<b>Resistance to Alkaline</b>	Alkaline-resistant material
<b>Lifespan</b>	Unlimited