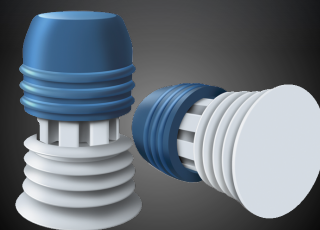


Plugseal P

Hydro-expansive plug for sealing formwork spacers



Drykos® **Plugseal P** is a preformed hydro-expansive device designed for the hermetic sealing of tubular formwork spacers in concrete structures. The product consists of a rigid high-strength polyamide core, which ensures mechanical fixing inside the spacer, and a sealing element made of hydro-expansive thermoplastic rubber, which increases in volume upon contact with water, generating expansion pressure against the tube walls. This expansion mechanism creates an active barrier against water penetration and compensates for any irregularities or micro-voids present inside the spacer.

Drykos® **Plugseal P** ensures reliable sealing of PVC, fiber cement, or steel formwork spacers, contributing to the construction of waterproof and durable concrete structures.

CHARACTERISTICS

Main characteristics

- Hydraulic sealing of formwork spacers
- Hydro-expansive sealing element with active expansion technology
- High mechanical strength polyamide core
- Hydrostatic pressure resistance up to approximately 6 bar
- Volumetric expansion of sealant: 500% in fresh water; 400% in concrete water; approximately 150% in salt water
- Rapid installation with a simple hammer blow
- No subsequent processing or treatment required
- Adaptation to substrate irregularities through self-sealing effect

Fields of use

Drykos® **Plugseal P** is suitable for closing and sealing tubular spacers used in concrete formwork systems, particularly appropriate for:

- underground structures and retaining walls
- concrete foundations
- underground parking facilities
- tanks and hydraulic structures
- tunnels and infrastructure works
- concrete structures exposed to water or moisture



SPECIFICHE TECNICHE

Color

White and blue.

Appearance

PVC plug.

Shelf life

24 months from production date.

Storage conditions

Store the product in its original intact packaging in a cool, dry environment, protected from moisture, frost, and direct sunlight exposure.

APPLICATION DATA

Theoretical consumption

1 plug per formwork spacer.

Application temperature

Minimum -20°C | Maximum +50°C

APPLICATION INFO

Application

Drykos® **Plugseal P** must be installed after formwork removal, when the spacers are already embedded in the concrete structure. Installation is performed by manually inserting the plug into the spacer and then driving it into position with a hammer blow until fully inserted. The system is designed for extremely rapid installation (approximately 1 second) and requires no finishing operations or subsequent treatments. For optimal waterproofing performance, installation from the side of the structure subject to hydrostatic water pressure is recommended.

Other indications

- The product must be installed exclusively on spacers already embedded in the concrete structure.
- The expansion of the hydro-expansive material is designed to occur under confined conditions inside the spacer.
- Avoid use in the presence of solvents or hydrocarbons that could compromise the performance of the hydro-expansive material.
- It is recommended to verify the correct spacer diameter before plug installation.
- For anything not covered, contact Technical Support at +39 0171 1874992 or write to info@drykos.com



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ENVIRONMENT AND SAFETY

Safety

The product is classified as an article and, in accordance with Regulation (EC) No. 1907/2006 (REACH), does not require a Safety Data Sheet. During handling and use operations, the use of appropriate personal protective equipment, such as gloves and protective eyewear, and compliance with safety procedures established in the workplace are nonetheless recommended.

Use

Product for professional use.

WARRANTIES AND LEGAL NOTES

Should the product be defective, the liability of Drykos S.r.l. shall be limited solely to its replacement. The information and instructions in this technical data sheet regarding the application and end-use of the products are provided in good faith and reflect current scientific and technical knowledge; however, they do not constitute any guarantee or assumption of liability regarding the final outcome of the work involving their use. Given the variety of operating conditions and external factors beyond the control of Drykos S.r.l. during execution, it is the user's responsibility to verify the product's suitability for the specific application, assuming all risks and liabilities. Drykos S.r.l. reserves the right to modify the properties of its products at any time. Always refer to the most recent version of the product's technical data sheet. This edition cancels and replaces all previous versions. The latest updated technical data sheets are available on our portal at www.drykos.com.



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