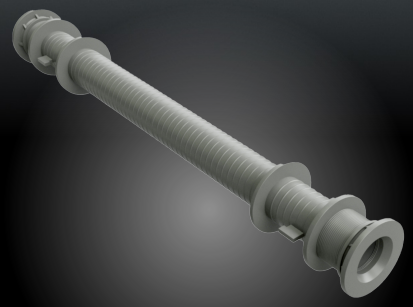

Spacer Tube

Tubular formwork system ideal for exposed concrete and hydraulic structures

The Drykos® **Spacer Tube** for formwork is a technical component designed to ensure proper integration within concrete structures. The product has been developed with construction features designed to integrate continuously into the pour, preventing structural discontinuities. Proper integration of the spacer tube prevents the creation of weak points or potential permeability paths, contributing to the durability and overall quality of the structure.
The product geometry, characterized by appropriate reinforcements, knurling, and protrusions, is designed to promote adhesion to the pour and
ensure material continuity between spacer and concrete.
The spacer configuration has been designed to ensure mechanical stability both during compression, throughout formwork assembly and pouring operations, and during tension, when stripping. The longitudinal protrusions also allow
proper anchoring of reinforcement bars, ensuring compliance with the concrete cover specified in the design.
The closure element (cap) has been specifically designed to integrate continuously with the spacer ends, ensuring complete system closure. Suitable for use in structures subject to water presence
and hydrostatic pressure up to 10 bar, equivalent to a 10 m water column.

CHARACTERISTICS

Main characteristics

- Perfect integration into the concrete pour, without creating discontinuities or perimeter voids
- Absence of weak points and permeability, with improved structural durability
- High mechanical stability during formwork assembly, pouring, and stripping
- Proper anchoring of reinforcement bars, ensuring compliance with design concrete cover
- Certified seal even in the presence of water and hydrostatic pressure
- Reduced risk of infiltration and subsequent repair interventions
- Reliability proven by independent laboratory testing

Fields of use

- Underground and earth-retaining structures
- Foundations and slabs
- Reinforced concrete perimeter walls
- Tanks, reservoirs, and hydraulic structures
- Underground parking and infrastructure works
- Structures subject to hydrostatic pressure

SPECIFICHE TECNICHE

Packaging

Length 100 mm - bag of 100 pieces – pallet of 3000 pieces	Length 150 mm - bag of 100 pieces – pallet of 3000 pieces
Length 200 mm – bag of 50 pieces – pallet of 3000 pieces	Length 250 mm – bag of 50 pieces – pallet of 3000 pieces
Length 300 mm – bag of 50 pieces – pallet of 3000 pieces	Length 350 mm – bag of 50 pieces – pallet of 1800 pieces
Length 400 mm – bag of 50 pieces – pallet of 1800 pieces	Length 450 mm – bag of 50 pieces – pallet of 1800 pieces
Length 500 mm – bag of 50 pieces – pallet of 1800 pieces	

Color

Gray.

Appearance

Plastic tube.

Shelf life

The product has no storage limitations if properly stored.

Storage conditions

Store properly in the original, sealed, intact packaging, protected from moisture, frost, and direct sunlight exposure, preferably at temperatures between +5°C and +35°C.

APPLICATION DATA

Theoretical consumption

The quantity of concrete spacers to use depends on the specified concrete cover thickness and the type of reinforcement adopted. In most common applications, approximately 4 pieces per square meter are typically required, a value that allows uniform distribution and ensures adequate stability during pouring.

Coverage

~ 4 pieces per m^2

Application temperature

Minimum +0°C | Maximum +40°C

APPLICATION INFO

Product preparation

The Drykos® **Spacer Tube** plastic formwork spacers are single-piece molded elements supplied in various lengths, selected according to the wall thickness to be constructed. Before installation, verify that the tube length corresponds exactly to the specified distance between the internal surfaces of the formwork, in accordance with the structural design.

Application

During formwork assembly, the Drykos® **Spacer Tube** is inserted at the holes provided in the panels, allowing the tie rod or threaded bar to pass through its interior. The tube must be properly aligned and positioned against the formwork surfaces to ensure constant wall thickness and prevent deformation during tightening operations.
Once tie rod positioning and proper formwork tightening are completed, concrete pouring proceeds. The spacer tubes ensure formwork stability during the filling and vibration phase, maintaining constant distance between panels and protecting the tie rod from direct contact with the concrete mix.
After concrete curing and stripping, the tie rods are removed according to the procedures specified by the adopted formwork system, leaving the tube embedded in the pour and completing hole closure with the appropriate caps.

Tool cleaning

Clean tools with water immediately after use.

Other indications

- Verify before installation that the spacer tube length complies with the wall thickness specified in the structural design
- Use only intact tubes, free from deformations, cracks, or damage due to impacts or crushing
- Do not use the product for functions other than those intended (maintaining formwork distance and protecting the tie rod)
- Avoid prolonged exposure to UV rays and intense heat sources before use, to prevent alterations of the plastic material's mechanical properties
- In particularly low temperatures, verify that the material does not exhibit stiffening that could compromise impact resistance during assembly
- Ensure that tie rod tightening is performed uniformly to avoid abnormal stresses on the spacer tubes
- Do not exceed the pouring pressures specified by the design and the adopted formwork system
- The product must be used in compliance with current regulations and the Construction Manager's instructions
- For anything not covered, contact Technical Support at +39 0171 1874992 or write to info@drykos.com

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 nevertheless 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.