



Family  
**Proseal**

Type  
**Plastic and elasto-plastic sealants**

Product Lines  
• Aqua  
• Building  
• Infratech

Functional Categories  
• **Waterproofing underground structures with hydro-expansive products**  
• **Waterproofing control joints or construction joints**

Components  
**Single-component**

Appearance  
**Cartridge**

PRS.0047

## FLEXSEAL 300

Polymeric, extrudable, hydro-expansive sealant in cartridge

### Customs Code

3909 5090

### Packaging

- Cartridge 300 cc
- Box: 12 x (Cartridge 300 cc)

### Application

- Dispensing gun
- Spatula

## General description

A hydro-expansive polyurethane sealant in a thixotropic paste, pre-packaged in an extrudable cartridge with standard dosing guns, to be utilised as a waterstop in the most complex or problematic situations in waterproofing below-ground areas. Its elastic and sealing properties remain unchanged over time. In a completely dry state, FLEXSEAL 300 shrinks to its original size and then expands again upon contact with water.

## Dosage

From 0.15 to 0.30 cartridges of FLEXSEAL 300 for each linear metre to be sealed, depending on the geometry of the cavity.

## Fields of application


Formation of airtight seals at connections, holes, cavities, cracking, formwork blades etc.; execution of seals in the connection between pipes and masonry; Material to assist in laying both traditional and hydro-expansive waterstop profiles.

## Basic features

 Density:  
1.35 kg/dm<sup>3</sup>


 Hydroexpansive product:  
+100 %

 Nonflammable

 Shelf-life:  
9 months

 Use wearing protective gloves

 UV-resistant

 Available colours  
Red

## Technical specifications

24 hour expansion capability (DIN 52451): +25 %

Alkali-resistant material

Breaking load longitudinal: 3.5 MPa

Dust-free time: 3-5 h

Expansion capacity to 7 days (DIN 52451): +100 %

Hard to touch (a 20°C): 10 h

Hardness Shore A: 45 \_

Working temperature: -20 / +50 °C



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## Tools cleansing

- Nitro thinner

## Applicable on

- Concrete
- Prefabricated concrete
- Wood
- Plastic
- Fiber-cement
- Floor screed
- Steel

## Substrate preparation

The application surfaces should be clean, free of incrustations, crumbling and non-adhering parts, dust etc.

## Instructions for use

Cut the tip of the cartridge with a cutter so as to allow the extrusion of a sealant kerb of at least 8 mm in diameter (to ensure that the sealing is both efficient and hydro-expansive). FLEXSEAL 300 must be placed laid in properly confined sections and covered with at least 6 cm of structural, shrink-resistant mortar GROUT 6 (castable) or REPAR TIX (thixotropic).

## Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance.



## Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

Do not use FLEXSEAL 300 as a simple silicone. Totally unconfined expansion would detach it from the support, thus making the sealing redundant.



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