

PRS.0141  
**RINGSEAL L19**

Hydro-expansive rubber seal for blade caisson spacers

 **Customs Code**

4016 9300

 **Packaging**

- Small bag 200 unit

 **Application**

- Apply by hand  
- Dilating pliers

Family  
**Proseal**

Type  
**Hydro expansive rubber products**

Product Lines

- Aqua
- Building
- Infratech

Functional Categories

- **Instantaneous stoppage of water infiltrations in buildings**
- **Waterproofing underground structures with hydro-expansive products**
- **Construction of underground works in high performance waterproof concrete**

Components  
**Single-component**

Appearance  
**Gasket**

## General description

RINGSEAL L19 is a rectangular gasket with a central hole of 19 mm x 2 mm, made with a special hydro-expansive rubber that reacts in contact with water by increasing its initial volume. RINGSEAL L19, used in combination with a normal metal spacer for moulds made of wood ("blade"), hermetically seals the discontinuities which could easily settle in the concrete due to the presence of the spacers; these discontinuities could in many cases pass from one side of the masonry to the other, and which then might seriously compromise the watertightness of the masonry itself.

## General features

The hydro-expansive capacity of RINGSEAL L19 has been tested in the laboratory with three different types of water: demineralised water, salt water and water with strongly basic Ph (to simulate the conditions in contact with the concrete). The expansion tests showed a change in volume ranging from a minimum of about 200% (three times the initial volume) in the case of salt water to a maximum in excess of 900% in the case of demineralised water.

In the standard version, the seal RINGSEAL L19 is sized for the usual measures of the blade caisson spacers, normally used in the construction industry: in this case with a width of about 20 mm, in the version straight/flat or "twisted" (designed to minimise the propensity to form deformities during the pouring of the concrete in the formwork).


## Dosage

No. 1 RINGSEAL L19 gasket for each "blade" formwork spacer (average 6 - 8 pieces per square metre for wooden formworks of 2 x 0.5 metres).

## Fields of application

Subterranean construction of concrete by formwork in wood, where the wall is in direct contact with the ground and where there is the presence of waterproofing layers external to the masonry itself: basements, cellars, underground garages, underground environments and basements, etc.

## Basic features


 Hydroexpansive product:  
+200 / +900 %

 Nonflammable

 Shelf-life:  
24 months

 Suitable for contact with drinking water

 UV-resistant

 Available colours  
Blue



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## Applicable on

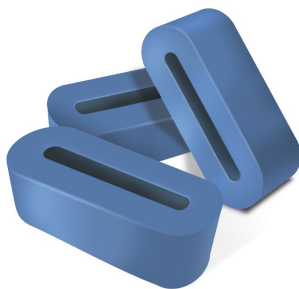
Concrete, Metallic spacers for wooden formworks

## Instructions for use

Place the hydro-expansive seal RINGSEAL L19 with the appropriate dilating pliers in central position with respect to the length of the blade caisson spacers (one seal for each spacer). Build the planned formwork using the metal spacer for wooden formworks thus prepared and proceed with the usual operations of casting the concrete.

## Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Protect from humidity.



## 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.

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