

## WATERFOAM-1K-LV

**Flexible polyurethane foam, one component, low viscosity, injection resin.**

### DESCRIPTION

**WATERFOAM-1K-LV** is a one-component polyurethane, hydrophobic resin, which reacts with water to produce a flexible grout suitable for waterproofing and sealing cracks and joints of concrete surfaces, and for effectively stopping water leaks.

Recommended for use on concrete elements subject to structural movements.

Application is by one-component injection pump.

### RECOMMENDED FOR

Stopping water leaks in such structures as:

- Foundations,
- below-grade structures, e.g. garages,
- tunnels & underpasses,
- sewage systems,
- tanks,
- waterways & dams.

### FEATURES & BENEFITS

- Effective sealer of cracks & voids in concrete, especially in joints.
- Of low viscosity: Deep penetration with minimal pressure.
- Produces a flexible & completely hydrophobic foam.
- Easy to apply: One-component with a very reasonable pot-life.
- Highly resistant to fungi and other microorganisms.
- Friendly to the user and the environment: Contains no solvents or propellant gasses – safe to store, transport and use.

### APPLICATION PROCEDURE

Clean the substrate using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Large voids can first be sealed using CS 100 - EJS15.

#### Mixing:

First, mix **WATERFOAM-1K-LV** with **WATERFOAM Catalyst**. The proportion of catalyst added ranges from 1% to 10%, subject to temperature and humidity of the substrate. Prior to application, the mix should not be subjected to humidity, i.e. the container must be covered, to avoid a premature start of the reaction process.

#### Application:

Starting from minimum, gradually increase pump pressure until reaching the desired rate of injection. Its level depends on the size of the cavity to be filled and the condition of the substrate in general.

### CLEANING

As soon as application is finished, equipment must be cleaned using **SOLVENT-WF SPECIAL** immediately. Using other cleaning agents is not recommended as they may cause remains of **WATERFOAM** to solidify.

### PACKAGING

5 lt, 20 lt, and 200 lt drums.

## WATERFOAM-1K-LV

### SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.

### SAFETY INFORMATION

**WATERFOAM-1K-LV** contains no solvents, is, nevertheless, classified as harmful. Nevertheless, you are advised to observe the standard safety rules: Apply using safety gloves and clothing. The MSDS (Material Safety Data Sheet) is available on request.

### TECHNICAL SPECIFICATIONS

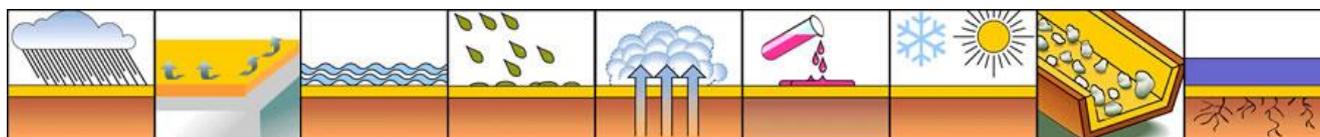
#### WATERFOAM-1K-LV.

| PROPERTY   | UNITS              | METHOD                                     | SPECIFICATION    |
|--|--------------------|--|------------------|
| Form   | -                  | -  | yellowish liquid |
| Viscosity (Brookfield)   | cP                 | ASTM D4287, @ 25 °C                        | 300-500          |
| Specific weight  | gr/cm <sup>3</sup> | ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C | 1.00-1.10        |
| Flash point  | °C                 | ASTM D93, closed cup                       | > 200            |
| Tack free time, @ 77 °F (25 °C) & 55% RH – subject to proportion of catalyst in the mix. | hours              | -  | 2                |

#### WATERFOAM Catalyst:

| PROPERTY               | UNITS              | METHOD                                     | SPECIFICATION                  |
|------------------------|--------------------|--|--------------------------------|
| Form                   | -                  | -  | liquid, light yellow in colour |
| Viscosity (Brookfield) | cP                 | ASTM D2196-86, @ 25 °C                     | 50-70                          |
| Specific weight        | gr/cm <sup>3</sup> | ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C | 0.95-1.05                      |
| Flash point            | °C                 | ASTM D93, closed cup                       | > 110                          |

NONE OF OUR PUBLISHED INSTRUCTIONS AND SPECIFICATIONS, IN WRITING OR OTHERWISE, ARE BINDING EITHER IN GENERAL OR WITH RESPECT TO ANY THIRD PARTY RIGHTS, OR DO THEY RELIEVE INTERESTED PARTIES OF THEIR DUTY TO SUBJECT THE PRODUCT TO AN ADEQUATE EXAMINATION OF ITS SUITABILITY. IN NO EVENT WILL ALCHIMICA S.A. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE, WHATSOEVER, RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. ALCHIMICA S.A. RESERVES THE RIGHT TO CHANGE AT ANY TIME THE PROPERTIES OF ITS PRODUCTS. PLEASE REFER TO THE CURRENT VERSION OF THE TECHNICAL DATA SHEET, AVAILABLE FROM OUR WEB SITE [WWW.ALCHIMICA.COM](http://WWW.ALCHIMICA.COM)



Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & ISO 45001.

WATERFOAM-1K-LV/EE/21-10-2019