

# **BILIZO**<sup>®</sup> **WATER FOAM**

## One Component Polyurethane Based Injection Foam

### Product Description

Solventless, low viscosity, reacted with water and moisture, created intensive, flexible and fine-mesh pore structure end of the curing, one component polyurethane injection foam. Especially it has been developed for stop the small to mid- volume water leaks.

### Uses

- Stopping of small to mid- volume water leaks of underground of concrete structures.
- Stop the water leaks of tunnel coating concrete and diaphragm walls,
- Stabilisation of coarse sand and gravel,
- It is used to stop the excess water leaks of concrete, brick and naturel stone walls' cracks, joint and gap

### Usage and consumption

It is recommended to use in concrete elements in the case of structural motion. It is applied with one component injection pump.

### Advantages

- Solventless and high expansion factor
- Good bonding to wet surfaces

### Packaging

BILIZO<sup>®</sup> WATERFOAM net 15 kg, BILIZO<sup>®</sup> WATERFOAM Catalyst (accelerator) is 0,75 kg .

### Technical Data

<b>Colour</b>	Light Yellow
<b>Density (20°C)</b>	1,18 ± 0,02 (TS EN ISO 2811)
<b>Solids by weight</b>	100 (TS EN ISO 3251)
<b>Viscosity 25°C' de (CPs):</b>	300 – 400 (ASTM D 4889)
<b>Flash point:</b>	> 150
<b>Mixing Ratio (with BILIZO<sup>®</sup> WATERFOAM Catalyst )</b>	10: 1
<b>* Start of reaction (sec) (with 10% water and 10% accelerator) :</b>	15-25
<b>Maximum Blowing Ratio ( with 10% accelerator) :</b>	25 – 30 kat

\* For +23° C and %50 relative humidity ambient conditions. High temperature

tures will be shorten the time, low temperatures will be extended the time.

## Application

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### Wet conditions:

Add the BILIZO® WATERFOAM Catalyst(accelerator) to BILIZO® WATERFOAM-1K (between 5- 10%, depending on the required reaction time) mix quickly and thoroughly to be homogenous.  
Inject this mixture through a single component injection pump to the water area . The moisture / water in the ground or structure will cause the foaming reaction.

### Dry conditions:

For injection purposes, flush holes with water to thoroughly wet the injection area. Add the BILIZO® WATERFOAM Catalyst(accelerator) to BILIZO® WATERFOAM (between 5-10%, depending on the required reaction time) mix quickly and thoroughly to be homogenous.  
Inject this mixture through a single component injection pump to the water area. The moisture / water in the ground or structure will cause the foaming reaction.

## Storage

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Store the product in a cool (15°C - 21°C) and dry place. Shelf life of the product is 6 months year when stored properly in the original container unopened.

## Safety Measures

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Refer to Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.