

# No39



## Elastomeric waterproofer for roofs



### ■ PROPERTIES

Acrylic, elastomeric and solvent-free waterproofing product for roofs. It creates a uniform, impervious to water membrane, without seams nor joints. It perfectly covers hairline and micro cracks, while it prevents their reappearance. It maintains its flexibility at temperatures ranging from -20°C to +80°C. It does not allow for the creation of moisture-related problems due to any future expansion and contraction of the coated surfaces. Certified by the University of Athens (Department of Physics, Division of Applied Physics), as 'Cool' material of low thermal conductivity and high reflectivity. Its brilliant white color significantly reduces the heat absorption from the roof slab and improves its energy efficiency. Classified as product for surface protection of concrete surfaces per EN 1504-2.

### ■ APPLICATIONS

DUROSTICK No39 easily applies on terraces and roofs to be lined with clay roof tiles. It is also suitable for corners, edges and lead-lined roof valleys. Great for spot crack sealing.

### ■ USE

#### 1. Preparation of cementitious, unprotected surface:

Using a stiff broom and water, thoroughly clean all dust and mud. Remove all black spots (mold/mildew) using DUROSTICK's D-95 CLEANER or a bleach/water solution, at a mixing ratio of 1:1. Follow by rinsing thoroughly with plenty of water. All surfaces to be sealed have to be thoroughly dry and to be protected from water for at least 24 hours prior to the application, thus preventing any penetration and trapping of moisture.

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### 2. Preparation of surfaces coated with waterproofing product(s):

- **Detached torch-down roofing:** remove it using a wide roofing scraper and a roofing torch simultaneously.
- **Well-adhered existing torch-down roofing material,** only require a first coat of No39, diluted 5% with clean water and a second, or even a third, crosswise coat(s) undiluted to complete the waterproofing of the roof.
- **Worn-out or detached elastomeric sealants,** remove them using a roofing scraper or other mechanical means.

### 3. Application

Before applying the waterproofing product, first apply the micromolar stabilizer, AQUAFIX undiluted, or the SOLVENT-BASED PRIMER, diluted 30% with THINNER 101 of DUROSTICK, by using a paint roller. Alternatively, dilute No39 with water, at a ratio of 1:1 and use it as a primer with a paint roller. Once the priming product dries, locate any possible hairline cracks (0.1-0.4mm width). Seal them completely by individually coating each crack with one-two layers of the undiluted product. If the width of the cracks is between 0.5-1mm, it is recommended to seal them using the DUROSTICK's ACRYLIC CAULK or the elastomeric sealant, DS POLYMER of DUROSTICK (cartridge), using a putty knife. Continue by applying two coats of the undiluted product over the cracks to complete their sealing.

Complete the surface waterproofing by applying two undiluted coats (or even three, depending on the substrate, for long-term durability) over the entire area using DUROSTICK's No39. Apply each additional coat crosswise, once the previous is completely dry and walkable – approximately after 24 hours, depending on ambient conditions (temperature, moisture).

### ■ USEFUL TIPS - NOTES

- Mix well before use.
- Avoid the application of the waterproofer when there is a possibility of rain within the next 24 hours.

### ■ CLEANING

Clean all tools with water and soap or detergent, if needed, immediately after use.

### ■ CONSUMPTION

1.0-1.5kg/m<sup>2</sup> in two coats, depending on the substrate.

### ■ STORAGE

Store in places protected from frost for 24 months after production date.

### ■ SAFETY DIRECTIONS

The product needs no hazard labeling, based on current European and national legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek medical advice and show the container or label.

### ■ PACKAGING

Carton box with 12pcs of 1 kg each one  
5kg container (on a 100pcs pallet)  
15kg container (on a 48pcs pallet)

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TECHNICAL SPECIFICATIONS	
■ Color	White, brick red
■ Density	1.45±0.05kg/lt
■ Elongation (per ASTM D 412)	After 8 days of curing and at 1mm thick membrane, the elongation at break was determined at 300%
■ Full watertightness	7 Atm per DIN 1048
■ Capillary absorption and permeability to water	0.01kg/m <sup>2</sup> ·h <sup>0.5</sup> (EN 1062-3, requirement EN 1504-2: w< 0.1)
■ Permeability S <sub>D</sub> to CO <sub>2</sub> , per EN 1062-6	S <sub>D</sub> > 50m
■ Water vapour permeability S <sub>D</sub> per EN ISO 7783	S <sub>D</sub> = 1.17m (water vapour class I, S <sub>D</sub> <5m)
■ Adhesion strength per EN 1542	1.0 N/mm <sup>2</sup> (requirement for flexible systems with no traffic: 0.8 N/mm <sup>2</sup> )
■ Impact resistance per EN ISO 6272-1	10 Nm (class II)
■ Application temperature	From +8°C to +30°C
■ Temperature resistance	From -20°C to +80°C

### V.O.C. (Volatile Organic Compounds):

Limit value of maximum V.O.C. content according to EU (Directive 2004/42/CE) for the particular product (category A/c: 'Coatings for exterior walls of mineral substrate', type WB): 40gr/lt (2010). The ready to use product contains maximum 35gr/lt V.O.C.

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.