

# TECHNOPROOF



Waterproofing product for roofs



## PROPERTIES

Acrylic, white, water soluble, elastomeric waterproofing product for roofs, solvent free. It creates a uniform, impervious to water, white membrane, without joints and seams.

It is distinguished for its high adhesive strength and its long-term resistance to adverse weather conditions. It maintains its flexibility at temperatures ranging from -20°C to +80°C, without bursting or peeling.

Certified by the University of Athens (Department of Physics, Division of Applied Physics) as 'Cool' material of low thermal conductivity, and high reflectivity. Classified as product for surface protection of concrete surfaces per EN 1504-2.

## APPLICATIONS

TECHNOPROOF waterproofing product for roofs of DUROSTICK is applied easily on terraces, corners and edges, lead lined roof valleys, parapet walls and light wells, as well as roofs to be lined with clay roof tiles etc. It is also suitable for recoating and maintaining existing acrylic elastomeric waterproofers. It is also suitable for

spot repairs and crack sealing as well. It is an affordable and a reliable waterproofing solution.

## USE

### 1. New surface preparation

Using a stiff broom and water, thoroughly clean all dust and mud. Use mechanical means to remove any loose sections. Remove all black spots (mold/mildew) using DUROSTICK 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.

### 2. Existing surface preparation

- **Detached torch-down roofing:** Remove them using a wide roofing scraper and roofing torch or other mechanical means.
- **Well adhered existing torch-down roofing material,** only require a first coat of TECHNOPROOF, diluted 5% with clean water and

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a second, or even a third, crosswise coat(s) undiluted to complete the waterproofing of the roof.

- **Detached or deteriorated elastomeric waterproofers**, must be re-moved using a wide roofing scraper or other mechanical means.
- **Detached elastomeric materials that are not visible**, can be found using a garden hose. Pour water on the roof surface from about 1 meter high. Notice the change of the sound the water makes when it hits the detached sections of the waterproofing and mark them. Cut the detached sections using a razor blade and scrape the defective material off.

### 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 TECNOPROOF with water, at a ratio of 1:1 and use it as a primer, assuming that the roof does not have any deteriorated sections. 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 ACRYLIC CAULK or the elastomeric sealant, DS-POLYMER of DUROSTICK, using a putty knife. Continue by applying two coats of 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 TECHNOPROOF. Apply each additional coat crosswise, once the previous is completely dry and walkable – approximately after 24 hours, depending on ambient conditions (temperature, moisture).

**ATTENTION:** Avoid the application of the waterproofing product when there is a possibility of rain within the next 24 hours.

### NOTES

- Stir well before use.
- After drying, the product is harmless to human and the environment.

### 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 a minimum of 24 months after production date.

### SAFETY DIRECTIONS

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

### PACKAGING

- 5kg container (on a 120pcs pallet)
- 15kg container (on a 48pcs pallet)
- 25kg container (on a 24pcs pallet)

### TECHNICAL SPECIFICATIONS

<b>Color</b>	White
<b>Density</b>	1.50±0.05kg/lt
<b>Elongation: (per ASTM D 412)</b>	After 8 days of curing and at 1mm thick membrane, the elongation at break was determined at 300%
<b>Full tightness</b>	7 Atm per DIN 1048
<b>Application temperature</b>	From +8°C to +30°C
<b>Temperature resistance</b>	From -20°C to +80°C

**Friendly to human and the environment.**

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

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

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