

# TECHNOPROOF



## Waterproofing product for flat roofs



### ■ PROPERTIES

Acrylic, water soluble, elastomeric waterproofing product for roofs, that is solvent-free. It creates a uniform, impervious to water, white membrane, without joints and seams. It presents strong adhesion to any building surface and 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. 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.

#### 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 TECHNOPROOF, diluted 5% with

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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 TECNOPROOF 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 TECHNOPROOF. 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

- 5kg container (on a 120pcs pallet)
- 12kg container (on a 48pcs pallet)
- 15kg container (on a 48pcs pallet)
- 25kg container (on a 24pcs pallet)

TECHNICAL SPECIFICATIONS	
■ Color	Viscous paste - White
■ Density	1.50±0.05kg/lit
■ 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
■ 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/lit (2010). The ready to use product contains maximum 35gr/lit V.O.C.

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