

## ELASTOPAZ ANTI ROOTS

Highly elastic polymer-modified bitumen sealant, designed for cold application by spraying or brushing

### Product description

Elastopaz Anti Roots is a single-component bitumen sealant modified with a quality water-based, environmentally friendly polymer.

### Product Uses

- ✓ Sealing surfaces, walls, planters, roof gardens and elements requiring resistance to roots.
- ✓ Sealing underground spaces and elements requiring resistance to roots.

### Packaging

Component A - 18 kg bucket

Component B - metal box 0.27 kg



### Advantages

- ✓ Root resistance according to standard DIN 4062.
- ✓ High resistance to ponding water.
- ✓ Creates a homogeneous waterproofing, strong and elastic layer.
- ✓ Highly bridging capability of static and dynamic cracks.
- ✓ Excellent adhesion to concrete.
- ✓ Suitable for spraying and spreading.
- ✓ Quick and easy application
- ✓ Blocks Radon gas migration.
- ✓ Environmentally Friendly.
- ✓ Protection of underground concrete structures from water and chlorides in saline soil environment (Netivei Israel Ltd. approved material).
- ✓ Green Standard Certified.

## Technical Specifications

Appearance	Test results	Testing techniques
Shade	Emulsion - Dark Brown, Outcome - Black	
Specific weight (gr/ml)	1.16	
Solids percentage	> 65%	
Weight required to achieve 1 mm dry film thickness	2 kg/M <sup>2</sup>	
Application temperature	> 5°C	
Heat resistance	> 95°C	ASTM D2939
Elasticity in cold temperature	< -12°C	ASTM D522
Tensile strength	> 0.3	ASTM D412
Elongation	> 600%	ASTM D412
Resistance to roots	Resistant	NID 2604
Resistance to ponding water	Resistant	ASTM D2939
Resistance to water pressure	1 atm., 24 hours	ASTM D571
Recovery after elongation of 540%	85%	ASTM D412
Bacterial assault in items buried in the ground	Resistant	ASTM D3083
Resistance to chlorides	Resistant	ASTM C1202
Blocks Radon gas migration	Blocks	

Complies with the requirements of American standard 29-ICC AC  
(Cold, Liquid-applied, Below-grade, Exterior Damp proofing and Waterproofing Materials)

## Consumption

The following table displays the estimated area (in M<sup>2</sup>) that can be covered by application of Elastopaz Neged Shorashim, according to the type of packaging and thickness of the final dry waterproofing layer:

Dry film thickness (mm)	2	3	4	5
Pail	4.5	3	2.25	1.8
Application quantity (*)	4	6	8	10

(\*) Quantity in kg/M<sup>2</sup>. Note - Apply according to the aforementioned instructions.

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## Method of Use

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### Surface Preparation

Verify that the surface to be waterproofed is clean and free of loose parts, dust, casting shells, concrete morsels, oil and any other foreign substance that may impact adhesion.

Holes should be filled with polymer modified grout. Holes in the concrete may result in bubbles after application, especially in walls exposed to direct sunlight.

Protruding concrete parts should be ground to the actual level of the concrete. Protruding concrete may result in material leaking after application.

### Foundation layer - Primer

The primer should be applied on dry, smooth, clean bedding. Apply Pazkar's PAZ Primer (diluted at 1:1 in water, in accordance with the primer's application instructions) in a quantity of 300 gr/m<sup>2</sup>.

Wait for about 1-3 hours until it is dry to the touch. Waiting time for drying may change according to weather conditions (humidity, temperature, etc.)

### Method of preparation of the material

Add Component B (small container) into Component A (large bucket) while slowly mixing Component A using an electric mixer, to the entire height of the bucket. Mix the material thoroughly for about 5 minutes until a uniform paste is achieved. The mixture may be used for about 12 hours after mixing.

### Method of application

Elastopaz Neged Shorashim may be applied with an airless sprayer over any surface: horizontal, vertical or gradient. It may also be applied by spreading, brushing or wiping.

#### **A) Underground waterproofing**

We recommend applying several coats of Elastopaz Neged Shorashim at a ratio of 2 kg/m<sup>2</sup> each, waiting for at least 24 hours between each coat, all subject to weather conditions.

After application is complete, allow the material to dry for about 48 hours, subject to weather conditions, before covering with refill.

Protect the waterproofing layer before returning the soil refill using a non-woven geotextile fabric, as aforementioned, in addition to different PazDrain type protective sheets marketed by Pazkar. Soil compaction is to be implemented only with a manual compactor up to a distance of 2 meters from the wall, as required in the Inter-Ministerial Specifications for construction jobs (chapter - 05).

In any event, mainly in clay soil environments (even partial), use PazDrain FLT500 type protective sheets, to prevent the waterproofing system from being pulled downwards during soil filling and compaction around the building.

The geotextile fabric may be spread over the waterproofing layer when it is still soft but not immediately after spraying, while fixation is to be from the top and above the upper sealing level. To the extent the waterproofed construction is below the groundwater level, consult a waterproofing consultant and/or the material's manufacturer.

## Method of Use - continued

### Method of application

#### B) Sealing planters and roof gardens

We recommend applying two coats of Elastopaz Neged Shorashim at a ratio of 2 kg/m<sup>2</sup> each, waiting for at least 12 hours between the first and second coats, all subject to weather conditions.

After applying the second coat, allow it to dry for at least 48 hours, subject to weather conditions.

Protect the sealing layer using a system made of a non-woven geotextile fabric layer and a multipurpose protective sheet integrated with non-woven geotextile fabric, all according to the specific type of landscaping planned for that area.

Make sure to have gradients and good and adequate drainage of the planter.

**In any event involving a waterproofing planner or consultant, their instructions must be followed.**

In the event of conflict between the instructions of the planner / consultant and this document, immediately alert all relevant entities.

### Safety instructions

- ✓ **Not for human consumption**
- ✓ While using the material, personal protective equipment should be used (appropriate clothing, gloves, protective glasses / face mask).
- ✓ Wash your hands with soap and water immediately after use.

### Remarks

- ✓ Make sure to use only a Paz type Primer made by Pazkar, and according to the above-mentioned instructions.
- ✓ Elastopaz Neged Shorashim is ready to use, and beyond mixing the components should not be diluted with water or any other substance. To the extent the material is slightly thick, we recommend stirring it before use or diluting with 0.5 kg Paz primer.
- ✓ Do not apply when the ambient temperature is lower than 5°C or exceeds 40°C.
- ✓ We recommend ventilating closed places during and after application.
- ✓ Do not apply when rain is expected within 72 hours from completion of application.
- ✓ Store in a cool, shaded place.
- ✓ Do not store in temperatures lower than 5°C.
- ✓ Clean tools immediately after use with mineral turpentine made by Pazkar.
- ✓ Elastopaz Neged Shorashim is non-flammable and does not contain dangerous solvents.
- ✓ Root resistance refers to the tested item according to standard DIN 2604 and does not guarantee resistance to all existing root types. Regarding plant types, consult an agronomist.



For Safety detailed instructions please refer to Pazkar's safety data sheets (MSDS)

#### Warranty

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