



Elastopaz Spray

Catalog Number: Y44901

A highly elastic polymer-modified bitumen waterproofing, designed especially for cold application by spraying to achieve thicker layers

Product description

Elastopaz Spray is a single-component bitumen modified waterproofing with a quality water-based, environmentally friendly polymer.

Product Uses

- ✓ Waterproofing underground spaces and elements such as: plinth walls, basement walls, foundation beams, retaining walls, floors and piles.
- ✓ Waterproofing hanging balconies.
- ✓ Waterproofing wet rooms' floors.
- ✓ Waterproofing external walls before stone cladding using the dry installation technique.

Other applications

- ✓ Waterproofing manholes and underground piping.
- ✓ Waterproofing walls made of concrete, blocks, cement, drywalls and more.

Packaging

18 kg pails



Advantages

- ✓ High resistance to ponding water.
- ✓ Forms a homogeneous, strong elastic and seamless layer.
- ✓ Highly bridging capability of static and dynamic cracks.
- ✓ Excellent adhesion to concrete.
- ✓ Especially adapted for spraying.
- ✓ Quick and easy application.
- ✓ Blocks Radon gas migration.
- ✓ Environmentally friendly, Green Standard Certified.
- ✓ **Protection of underground concrete structures from water and chlorides.**
- ✓ Complies with standard DIN EN 15814.

Technical Specifications

Appearance	Test results	Testing techniques
	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 ²	
Application temperature	> 5°C	
Heat resistance	> 95°C	ASTM D2939
Elasticity in cold temperature	< -12°C	ASTM D522
Tensile strength (MPa)	> 0.3	ASTM D412
Elongation	> 600%	ASTM D412
Resistance to ponding water	Resistant	ASTM D2939
Resistance to water pressure	0.5 atm., 24 hours	DIN 52123
Recovery after elongation of 540%	85%	ASTM D412
Bridging dynamic (cyclic) cracks	> 3,000	IS 4518
Bacterial assault in items buried in the ground	Resistant	ASTM D3083
Resistance to chlorides	Resistant	ASTM C1202
Blocks Radon gas migration	Blocks	

Consumption

The following table displays the estimated area (in M²) that can be covered by application of Elastopaz Spray, 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/M².

(**) To be applied in two separate coats.



Method of use

Preparing the area

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 spraying, mainly over walls exposed to direct sunlight. Protruding concrete parts should be ground to the actual level of the concrete. Protruding concrete may result in leakage of the material after spraying.

Foundation primer layer

The primer should be applied on dry, smooth, clean bedding. Apply Pazkar's Paz Yesod (diluted at 1:1 in water, in accordance with the primer's application instructions) in a quantity of 300 gr/M². 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 application

Elastopaz Spray may be applied with an airless sprayer on all surfaces: horizontal, vertical or gradient. It may also be applied by spreading, brushing or wiping.

a) Underground waterproofing

We recommend applying Elastopaz Spray in 2 coats at a ratio of 3 kg/M² each, waiting at least 24 hours between the first and second layers, taking into consideration the weather conditions. After application is complete, allow the material to dry for about 48 hours, consideration the weather conditions, before covering with refill.

Protect the waterproofing layers before the soil refill is returned, using a non-woven geotextile fabric, in addition to different PazDrain type protective membrane 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).

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. In any event, mainly in clay soil environments (even partial), use PazDrain FLT500 type protective membrane, to prevent the waterproofing system from being pulled downwards during soil filling and compaction around the building. If the waterproofed structure is located in ground water, do not discontinue pumping before at least 7 days have lapsed from the end of application.

To the extent the waterproofed construction is below the groundwater level, consult a waterproofing consultant and/or the material's manufacturer.

b) Waterproofing wet rooms' floors (showers, bathrooms, etc.) and balconies floors

We recommend applying Elastopaz Spray in one coat at a ratio of 4 kg/M², allowing it to dry for at least 72 hours, consideration the weather conditions. Protect the waterproofing layer before continuing works (flooring, etc.), using non-woven geotextile fabric. Watertightness testing (flooding) is to be performed at least 7 days from the application of the waterproofing layer.

Method of use - continued

Method of application - continued

c) Waterproofing external walls before stone cladding using the dry cladding technique.

We recommend applying Elastopaz Spray in one coat at a ratio of 4 kg/M², allowing it to dry for at least 72 hours, consideration the weather conditions. To prepare stone fixing pegs and other items required for execution, we recommend following Pazkar's special specifications for such works. 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.

Remarks

- ✓ According to the instructions of NATI (Israel National Transport Infrastructure Company), you are not to use Interglass mesh between the sprayed coats in projects of the above-mentioned company.
- ✓ Make sure to use only Paz type Primer according to the above-mentioned instructions.
- ✓ Elastopaz Spary is ready for use and should not be diluted with water or any other substance. If the material is slightly thick, we recommend stirring it before use or diluting it 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 spaces during and following 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 Spray is non-flammable and does not contain dangerous solvents.

Safety instructions

- ✓ Before using the product please read the safety data sheet (SDS) that can be received in Pazkar LTD Company.
- ✓ Not for human consumption.
- ✓ While using the material, use personal protective equipment (appropriate clothing, gloves, protective glasses/ face mask).
- ✓ Wash your hands with soap and water immediately after use.

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

Warranty

Pazkar's products are manufactured to rigid standards of quality. Pazkar makes no representations or warranties with respect to the accuracy or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. Users must always refer to the most recent issue of the local product data publication for the product concerned. The user of the product must test the product's suitability for the intended application and purpose. Due to differences in materials, substrates and site conditions Pazkar assumes no liability whatsoever, and disclaims any express or implied warranty, relating to its products including but not limited to, the implied warranty of merchantability, fitness for a particular purpose, nor any liability arising from any legal relationship. Subject to our terms and conditions, Pazkar grants a product warranty certificate for specific products, for any further information please contact us at info@pazkar.co.il. All orders are accepted subject to our current inventory, terms and conditions of sale and delivery.