



Elastoflex

Catalog Number: Y45701, Y45702

Polymer modified bitumen sealant designed for cold application and applied by spraying or brushing

Product description

Elastoflex is a single-component bituminous sealant modified with water-based, environment friendly quality 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 cladding technique.
- ✓ Waterproofing underground concrete elements such as culverts, drainage ducts, etc.

Other applications

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

Packaging

180 kg Barrel / 18 kg pails



Advantages

- ✓ Resistance to standing water.
- ✓ Forms a strong, homogeneous, elastic, seamless waterproofing layer.
- ✓ Able to bridge dynamic cracks.
- ✓ Excellent adhesion to concrete.
- ✓ Suitable for spraying and spreading.
- ✓ Quick and easy application.
- ✓ Blocks Radon gas migration.
- ✓ Environmentally Friendly, Green Standard Certified.
- ✓ Meets the requirements of European standard EN 15814 and the requirements of the general specification of Israel Roads.

Technical Specifications

| Test type | Test Results | Testing techniques |
|--|-------------------------------------|--------------------|
| Appearance | Paste - dark brown, outcome - black | |
| Specific weight (gr/ml) | 1.16 | |
| Solids percentage | > 64% | |
| Weight required to achieve 1 mm dry film thickness | 2 kg/M ² | |
| Application temperature | > 5°C | |
| Heat resistance | > 90°C | ASTM D2939 |
| Elasticity in cold temperature | < -6°C | ASTM D522 |
| Tensile strength | > 0.2 | ASTM D412 |
| Elongation | > 200% | ASTM D412 |
| Resistance to ponding water | Resistant | ASTM D2939 |
| Resistance to water pressure | 0.5 atm., 24 hours | ASTM D571 |
| Recovery after elongation of 540% | > 85% | ASTM D412 |
| Bacterial assault in items buried in the ground | Resistant | ASTM D3083 |
| Blocks Radon gas migration | Blocks | |

Consumption

The following table displays the estimated area (in M²) that can be covered by application of Elastoflex, according to the type of packaging and thickness of the final dry waterproofing layer:

| Dry film thickness (mm) | 2 | 3 | 4 |
|--------------------------|-----|----|------|
| Pail | 4.5 | 3 | 2.25 |
| Barrel | 45 | 30 | 22.5 |
| Application quantity (*) | 4 | 6 | 8 |

() Quantity in kg/M². Note - Application according to the above-mentioned instructions.

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 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.

Application of a foundation - primer layer is to be performed 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

We recommend applying Elastoflex 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 Elastoflex in 2-3 coats at a ratio of 2-3 kg/M² each, waiting for at least 12 hours between the first and second coats and about 24 hours between the second and third coats, 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 prior to returning the soil filling using a non-woven geotextile

fabric, as aforementioned, in addition to various PazDrain 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 TLF005 type protective sheets in order to prevent the waterproofing system from being pulled downwards during the filling and compaction of the soil 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 sealed construction is below the groundwater level, consult a waterproofing consultant and/or the material's manufacturer.

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

We recommend applying two coats of Elastoflex at a ratio of 2 kg/M² each, and waiting for at least 12 hours between the first and the 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 waterproofing layer before continuing works (flooring, etc.), using non-woven geotextile fabric. Watertightness test (flooding) is to be performed at least 7 days after the end of application of the top layer.

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

We recommend applying two coats of Elastoflex at the ratio of 2 kg/M² each, and waiting for at least 24 hours between the first and the second coat, all subject to weather conditions. To prepare stone fixing

Method of use - continued

Method of application - continued

pegs and other execution items, we recommend following Pazkar's special specifications for such works. In any event involving a waterproofing planner or consultant, their instructions should be followed. In the event of conflict between the instructions of the planner/consultant and this document, immediately alert all relevant entities.



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.
- ✓ When using the material, use personal protective equipment (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.
- ✓ Elastoflex 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 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.
- ✓ Easyflex is non-flammable and does not contain dangerous solvents.

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

Warranty

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