



WATER-BASED LIQUID MEMBRANES

ELASTOPAZ™

Water-based Bituminous Liquid Membrane for high speed spraying applications

Elastopaz is a single component Bitumen Polymer liquid membrane designed for multi purpose projects.

The material features excellent adhesion, which dries to a tough, black seamless flexible waterproof membrane.

Elastopaz exhibits excellent elongation and recovery properties and is suitable for high speed airless spraying applications. Moreover, Elastopaz can behave as a vapor-proof liquid membrane.

Elastopaz has been authorized and approved by an international lab to block Radon Gas.



- ***Absolute waterproofing***
- ***High productivity***
- ***Environmentally friendly***
- ***High strength and elasticity***
- ***Easy application***
- ***Excellent adhesion***
- ***Radon-tight***
- ***Same product grade for various applications***
- ***No need for Reinforcing Fabric on most substrates.***

Product Uses:

- Waterproofing underground structures
- Waterproofing basements & cellars
- Waterproofing wet duty rooms
- Protection and dump proofing of underground concrete elements
- Waterproofing covered roofs and verandas.

www.pazkar.com  info@pazkar.co.il



Instructions for use

General instructions for all applications:

1. Elastopaz may be applied by airless spray, roller, brush, or squeegee.
2. All surfaces to which Elastopaz is applied must be sound, stable with an even finish and free from dirt, dust, loose debris, oil, grease etc.
3. Elastopaz may be applied to damp but not waterlogged surfaces.
4. Porous surfaces should be primed with a priming coat of a water-based Primer - Paz Primer, diluted 1:1 with water, at a quantity of 250-300 gr/m² (0.6-0.7 gal/100 sq.ft).
5. Let dry for about 2-4 hours.
6. New concrete can be waterproofed 48 hours after casting completion
7. Where subsequent coats are to be applied, the first coat must be dry.
8. The waterproofing layer has to be protected before backfilling with soil.
Protect the waterproofing membrane with Pazdrain or Pazdrain plus dimpled sheets.
The compaction of the backfilled to a distance of 2 m (6ft) from the wall should be done by a manual vibratory hand held compactor.
No heavy compaction equipment should be allowed to travel close to the waterproofed wall. The backfill should not contain any stones over 40 mm.
Waterproofing of horizontal layers should be protected with nonwoven geotextile with a CBR puncture strength over 1000 kN (225000 lbf) (BS EN ISO 12236), and a layer of screed or concrete.

A. Below Grade Waterproofing (well drained soil)

1. Apply by airless spray / roller / brush / squeegee, a first layer at a quantity of 1.5-2.5 kg/m² (3.0-5.0 gal/100 sq.ft).
2. Let dry for 6 hours.
3. Apply a second layer at a quantity of 1.5-2.5 kg / m² (3.0-5.0 gal/100 sq.ft).
4. Let dry for 12 hours.

B. Walls with dampness

1. Apply three layers, achieving a total quantity of 3.2 kg/m² (6.5 gal/100 sq.ft). Blind the final layer with clean sharp sand whilst still tacky.
2. Re-plaster using a render modified with an acrylic alkali resistant emulsion.

C. Wet duty Rooms

1. Apply two layers achieving a total quantity of 2-3 kg/m² (4-6 gal/100 sq.ft) per each layer.
2. Make sure that the first layer is dry before the second layer is applied.

D. Covered roofs and verandas

1. Make sure that all surfaces are sound, stable with an even finish and free from dirt, dust, loose debris, grease etc.
2. Apply with a spraying machine / roller / brush / squeegee, a first layer at a quantity of 1.5-2.5 kg/m² (3.0-5.0 gal/100 sq.ft).



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3. Let dry for 6 hours.
4. Apply a second layer at a quantity of 1.5-2.5 kg / m² (3.0-5.0 gal/100 sq.ft).
5. Let dry for 12 hours.
6. cover with a nonwoven geotextile with a CBR puncture strength of over 1000 kN (225 lb) (BS EN ISO 12236)
7. cover with a sound layer of screed or concrete slopped to drain

Equipment care

Clean tools using soapy water.

If the material has already dried, scrape your tools using paraffin or white spirit.

Technical Properties

Description	Property	Standard
Appearance	Brown paste (dries to black membrane)	
Specific gravity	1.16	
Solid content	65% +/- 2% (wt)	
Coverage	3.0-5.0 kg/m ² (6.1-10 gal/100 sq.ft)	
Dry film thickness	1.5-2.5 mm (60-100 mils)	
Flashpoint	Non flammable	
Application temperature:	+5°C to 40°C (41°F to 104°F)	
Heat stability	>90°C (194°F)	ASTM D 2939
Cold flexibility	<-13°C (<8 °F)	ASTM D 522
Low temperature flexibility and crack bridging	Pass Conduct @-26°C	ASTM C 836
Tensile Strength	> 0.5 MPa (> 71 psi)	ASTM D 412
Elongation at break	> 600%	ASTM D 412
Resistance to water pressure	> 0.5 atm, 24 hr (>7.3 psi, 24 hr)	DIN 52123
Water Vapor Permeance	0.45 perms	ASTM E 96
Water vapor transmission	2.0 m	SI 1731
Recovery	85%	ASTM D 412
Creep AT 80°C	No creep	DIN 52123
Resistance to water	Passed	ASTM D2939
Bacterial attack in soil 30 days 40°C	Passed	ASTM D 3083
Crack bridging	> 5 mm (>0.2 inch)	SI 1731

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Packaging

Elastopaz is available in the following packages:

- Open top 180 kg Drum
- 4.5 Kg Pail
- 18 kg pail
- 5 Gallons pail

Storage

- Store under cover out of direct sunlight and protect from extremes of temperature.
- In tropical climates the product must be stored in an air-conditioned environment.
- In cold climates the product must be stored in a heated (over 10°C / 50 °F) environment.
- Do not freeze.
- Shelf life is up to 12 months when stored as above.

NOTE: Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

For specific storage advice consult Pazkar's representatives.

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



Warranty

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All orders are accepted subject to our current inventory, terms and conditions of sale and delivery.

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