PAZ PU-B 500

Catalog Number: D47000

Quick drying single-component bituminous polyurethane.

Product description

PAZ PU-B 500 is a single-component sealant based on polyurethane and fast-hardening bitumen. It creates a strong and flexible elastic membrane layer, which has a noticeable adhesive capacity to most construction surfaces.

For sealing concrete surfaces, basements, balconies, wet rooms (under the flooring). For application without a primer on a completely dry surface (otherwise, apply XL 100 epoxy primer).

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 (under the tiles)
- Waterproofing external walls prior to 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

23 Kg can, 36 Cans per pallet



Advantages

- A single-component sealant, based on elastomeric polyurethane and superior bituminous resins.
- High resistance to ponding water.
- Creates a homogeneous waterproofing, strong and elastic layer.
- Dries quickly.
- Highly bridging capability of static and dynamic cracks.
- Excellent adhesion to concrete.
- Suitable for spraying and spreading.
- Quick and easy application.
- Protection of underground concrete structures from water and chlorides in salted soil environment.
- Temperature resistance: 40°c - 80°c.
- Ready to use, does not require dilution..

Technical Specifications

Property	Test results	Units	Testing techniques
Recommended consumption(*)	1.3-1.8	kg/M^2	-
Specific weight	1.26	gr/ml	-
Initial drying to the touch	45	minutes	at 23°c and 50% relative humidity
Elongation at the breaking point	1000	%	(DIN 53504)
Tensile strength	4.2	N/mm^2	(DIN 53504)
Hardness	40	A	(SHORE A)
Rain resistance	No visible signs of subsidence were found on the material	Visual	EN15816
Low temperature elasticity (0°C)	No visible cracks were found on the material during bending	Visual	EN15813
Low temperature elasticity (-30°C)	No visible cracks were found on the material during bending	Visual	EN15813
Dimensional stability in high temperatures (70°C)	The material remains stable. No visible signs of leakage were found.	Visual	EN15818
Dimensional stability in high temperatures (80°C)	The material remains stable. No visible signs of leakage were found.	Visual	EN15818
Sealing Resistance to water pressure 0.75 Atm. The thickness of the sample is about 2.5 mm	No water passed through after 24 hours	Visual	EN15820
Bridging over elongation cracks (decrease from max. strength by 25%). The thickness of the sample is about 2.5 mm	Singles: 27 Average: 29	Visual	EN15812 IS 1731
Adhesion strength in axial pull in concrete substructure	Singles: 2.3-1.80 Average: 1.91	MPa	EN15812 IS 1731
Dynamic bridging over cracks (1,000 cycles of 1.0 mm)	No cracks appeared during the testduring the test	Visual	EN15812 IS 1731

* Depends on infrastructure conditions

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.
- ✓ Do not wet the surface before application and do not apply on wet surfaces.
- ✓ For application without a primer on a completely dry surface.
- ✓ On damp or wet surfaces, apply Pazkar's XL 100 Primer (diluted with water at a 1:1 ratio, in accordance with the primer's application instructions) at a quantity of 300 gr/M^2. and wait 1-3 hours until dry to the touch. Waiting time for drying may change according to weather conditions.

Method of application

- ✓ PAZ PU-B 500 may be applied with an airless sprayer over any surface: horizontal, vertical or gradient. The material can also be applied by spreading, brushing or wiping.
- ✓ Apply 1-2 layers using a brush, roller, or Airless (spray gun). Wait at least 45 minutes between layers, but no more than 48 hours at the most.
- ✓ The recommended consumption is 1.3-1.8 kg M^2 depending on the method of application and the condition of the infrastructure.
- ✓ When using a primer, wait at least 30 minutes between layers, but no more than 24 hours since the application of the primer. The drying rate depends on the temperature and humidity conditions, and the exposure to the sun and wind.



Method of use

Remarks

- ✓ Do not dilute with water.
- ✓ DO not apply on rainy days or when rain is expected the next day.
- ✓ paz pu-b 500 is ready to use. If the material is too thick, we recommend stirring it before use.
- ✓ When applying by spraying using Airless, it is recommended to dilute the product with Xylene, up to 10%.
- ✓ Do not expose the product to direct sun light and UV rays.
- ✓ Upon the product is opened, use all the material in the packaging.
- ✓ Do not apply the material when the temperature of the infrastructure, the environment or the material is lower than 5°C or higher than 35°C
- ✓ The drying time is 12-24 hours, depending on the temperature and humidity conditions, and the exposure to the sun and wind.

Safety instructions

- ✓ Not for human consumption.
- ✓ This product contains a small amount of flammable and volatile solvents. The product must be used in well-ventilated areas, where smoking is prohibited, and away from open flames. In closed spaces, use fans and activated carbon masks.
- ✓ Before use, read the Material Safety Data Sheet (MSDS) provided by Pazkar.
- ✓ For professional use only.
- ✓ While using the material, wear personal protective equipment Protect the eyes using protective goggles and avoid prolonged contact with the skin. In case of contact of the substance with the eyes, wash the eyes immediately and consult a doctor. Protect your body using appropriate clothing, gloves, and closed shoes.
- ✓ 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 infopazkar@pazkar.co.il. All orders are accepted subject to our current inventory, terms and conditions of sale and delivery.

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