

BAUTECH MEGA POLYUREA COATING

THE PRODUCT

Elastic waterproofing membrane polyurea based, bi-component, with strength stretching for large slabs, reservoirs, industrial tanks and floors with traffic. Withstands chemical exposures. Can be applied manually.

FIELDS OF APPLICATION

- Waterproofing and protective coating in tanks and containment booms with oil, solvents, fuels, and chemicals
- Large Slabs
- Water tanks, pools, and reservoirs
- Chemical protection in tanks dike
- Roofs and gutters
- Corrosion protection in steel, metals, concrete, and other materials
- Floors with light traffic
- Dams and hydroelectric plants

TECHNICAL SPECIFICATIONS

- High chemical (pH 2 up to 14) and abrasion resistance
- Low VOC
- Resistance to U.V. rays (but doesn't have color stability)
- High adhesion in different substrates
- Excellent resistance in cracked substrates
- Has no sensibility to weather or moisture after application
- High tensile strength in the rupture ($> 10 \text{ N/mm}^2$)
- Great Stretching (100%) and hardness shore A 90
- Easy handling and application (manual use, not required equipment specific)



COLOR	Dark
HANDLING	50 minutes
DRYING TO THE TOUCH	12 hours
HARDNESS SHORE A	90 \pm 5
HARDNESS SHORE D	40 \pm 5
TENSILE STRENGTH IN THE RUPTURE	$> 0,0014 \text{ psi}$ ($> 10 \text{ N/mm}^2$)
CHEMICAL RESISTANCE	Several (see our Technical Dp.)
OPEN FOR TRAFIC	Traffic Light: 24 hours Heavy traffic: 72 hours
STRETCHING	100%
RESISTANCE TO TEMPERATURE (AFTER CURED)	- 4°F to 176°F (- 20°C to 80°C)
CONSUMPTION	0,245 lb/ft ² (1,2kg / m ²)
COVERAGE	64 ft ² (80 mil) up to 107 ft ² (40 mil)
PACKAGING	26,45 lb (A+B) 12kg (A+B)
SHELF LIFE	24 months from date of manufacture

SITE PREPARATION

- The substrate must be structurally sound, solid, level, clean, free of dust, loose particles or any substance that interferes with adhesion
- The concrete must have at least compressive strength of 3.600 psi (25.0 MPa) and It should be adequately cured and residual moisture at $< 4.0\%$
- The concrete must be without imperfections and irregularities. It is important a good surface finish to achieve optimum performance
- The substrate temperature must be between 41° F to 95° F (5 ° to 35 ° C) and relative humidity less than 85%

PRODUCT PREPARATION

- First mix the components separately
- Launch the B component in Component A and mix for 2 minutes with the aid of a mechanical mixer
- The application time is 50 minutes, when at room temperature
- Never add solvent, water, or any chemical compound in the mixture
- To avoid mistakes, the **BAUTECH MEGA POLYUREA** must be mixed thoroughly, do not mix fractions of a kit!

PRIMER APPLICATION

APPLICATION ON CONCRETE OR MORTAR BASE**1.1 GROUND LEVEL OR UNDERGROUND**

For applications on cement surface in contact with the ground, it is recommended that waterproofing must be done with polymeric mortar preceded by a crystallization process for inhibiting the presence of moisture through the capillaries and provide a smoother surface for the application of polyurea, which must be carried out 7 days after application of the polymeric mortar.

1.2 ABOVE GROUND SLABS APPLICATIONS

For applications on cement surface, above grounds, it is recommended to use a polymeric mortar to provide a smoother surface for the application of polyurea, which must be carried out 7 days after application of the polymeric mortar.

2 APPLICATION ON METAL TILE

For applications on metal tiles, it is recommended that the preparation of the base be accomplished with application of a paint epoxy primer; all voids must be filled in order to avoid the formation of bubbles in the coating, if necessary apply two coats. Wait no more than 24 h for the application of the **BAUTECH MEGA POLYUREA**. If the period of 24 hours is exceeded, you must sand the site before proceeding to the next step. Clean all tools and equipment before and after.

PRODUCT APPLICATION

Apply BAUTECH MEGA POLYUREA using a smooth metal trowel in one coat

For vertical applications use Spray system, solvent resistant paint roller or brush.

For outdoor applications that require aesthetics, apply a polyurethane paint as the final layer; **BAUTECH MEGA POLYUREA** has no color stability.

For questions please contact our technical department by email sac@bautechbrasil.com.br

For special applications, the minimum temperature for the product installation is 41°F (5°C), so the temperature should be kept for 3 days greater or equal to this average, and then submits it a temperatures negatives.

PRECAUTIONS

- Keep container closed when not in use.
- Never reuse the packaging for any purpose other than the conditioning of the product.
- Store the original packaging in a dry, ventilated area away from heat sources.
- Keep out of reach of children and pets.
- Prepare and apply the product to the ever-drying ventilated area.
- We recommend the use of PPE (personal protective equipment) such as gloves, boots and goggles.
- In case of contact with skin and eyes, rinse with clean running water for 45 minutes. If swallowed, do not induce vomiting. In both cases, consult a doctor immediately and take the pack.

WARRANTY

The information contained herein is supported by tests, analytics and technical knowledge. Measured values and results may fluctuate due to environmental characteristics and / or use of the product that are not manufacturer's responsibility. There is no other express or implied warranties. No agent, seller, distributor or dealer has the authority to extend, modify or suppress these provisions.

LIMITAÇÕES

- Can not be applied to damp substrates
- Can not be used without priming