

POLIXA 2

Polyurethane Based, Waterproofing Material for Potable Water Tanks

Description

Two component, polyurethane-based, solvent-free liquid waterproofing material for especially potable water tanks.

Fields of Application

- Especially developed for waterproofing metal or concrete water tank insulation.
- On concrete, marble, plaster, stone, wood and metal surfaces for waterproofing and coating.
- On concrete or ceramic coated terrace for waterproofing or floor coating, if UV resistant coating is applied on the top.
- Used for providing a waterproof coating resistant to light car and pedestrian traffic.

Features and Benefits

- Solvent-free. Safely used in interior areas.
- Suitable for potable water tanks.
- Excellent adhesion performance.
- High abrasion and impact resistance.
- Resistant to corrosion.
- No harmful effect to health.

Technical Data

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| Content | Polyurethane |
| Density of Mixture | 1,45 g/cm ³ |
| Abrasion Resistance | 85 mg (TS EN 5470-1) |
| Carbon dioxide Permeability | 808,63 m (TS EN 1062-6) |
| Water Vapor Permeability | 7,116 m (TS EN ISO 7783:2011) |
| Capillary Water Absorption | 0,002 kg/m ² .h ^{0,5} (TS EN 1062-3) |
| Adhesion Resistance | 2 N/mm ² (TS EN 1542) |
| Temperature Resistance | -10°C to +85°C |
| Application Temperature | +5°C to +30°C |
| Pot Life | 30-45 minutes (at 20°C) |
| Drying Time | |

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| <i>Touch dry</i> | <i>6 hours</i> |
| <i>Full curing</i> | <i>24 hours</i> |
| HS Code | 3208.90.91.00.23 |

Application Procedure

Preparation of Substrate

The application surface must be durable, dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. **POLIXA 2** results foaming when applied to wet surfaces. For this reason, **EPOX PR 300** should be used on concrete surfaces as a primer.

Application Method

Application temperature should be between + 5°C to + 30°C. Component B, hardener, is slowly poured into Component A, main component, under the low speed drill and continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-4 minutes). The mixture must be consumed within 30 - 45 minutes; later it cannot be applied due to jelling. Mixture should be applied with a brush or roller as 2 or 3 layers. Brush application direction in each layer must be perpendicular to each other. Each coat must be applied 6 hours later than the preceding coat. If this interval exceeds 24 hours, the first coat must be sandpapered prior to the application of the second coat. After the application the surface must be protected from water, rain for at least 6 - 8 hours. Dry sand should be added on **POLIXA 2** while floor coating.

Consumption

Minimum 0,600 kg/m² for each coat. Recommended at least 2 layers application.

Packaging

A component: 5 kg resin + B component: 1 kg hardener = 6 kg set in metal pail

Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

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Cleanup Information

Clean tools and equipment with industrial type solvents immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +30°C.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.


Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.

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| BAUMERK YAPI VE KİMYA SANAYİ VE TİCARET Ltd. Şti. Dursunköy Mahallesi Uygur Caddesi No:44 34555 Hadımköy Arnavutköy / İstanbul TÜRKİYE 14 | |
| 2765-CPR-0082 NO: PD-0007 EN 1504-2:2004 POLIXA 2 Polyurethane Based, Waterproofing Material for Potable Water Tanks System 2+ Poliüretan Esaslı, İçme Suyu Depoları İçin Su Yalıtım Malzemesi Sistem 2+ | |
| Abrasion Resistance Aşınma Direnci | 85 mg |
| Carbondioxide permeability Karbondioksit geçirgenliği | $S_D = 808,67 \text{ m}$ |
| Water-vapour permeability Su buharı geçirgenliği | 7,115 m Class I |
| Liquid-water permeability Kapiler su emme ve su geçirgenliği | $0,002 \text{ kg/m}^2 \cdot \text{h}^{0.5}$ |
| Measurements of bond strength by pull-off Çekip koparma deneyi yoluyla yapışma dayanımı | $2,0 \text{ N/mm}^2$ |