

IZOMAX® B772

Polymer Modified Bitumen-Rubber and Special Cement Based, Two-Component, Fully Elastic Waterproofing Material

About the Product

IZOMAX® B772 is a two-component, low-viscosity, fully elastic, thick-applied polymer modified bitumen-rubber and special cement based waterproofing material designed for waterproofing structural elements exposed to water pressure and in permanent contact with water.

Complies with EN 15814 standard as PMBC class.

PMBC: Polymer Modified Bituminous Thick Coating

Areas of Application

- Deep foundations and retaining walls in contact with pressurized and permanent water
- Protection and waterproofing of structural elements exposed to temporary or permanent water pressure
- Wet areas such as bathrooms, toilets, balconies and terraces
- Retaining walls
- Waterproofing against ground moisture above underground car parks and on garden terraces
- Installation of thermal insulation or drainage boards

Note: The material is not UV resistant; after application it must be covered with a protective concrete layer.

Advantages

- Ready to use, requires no heating, easy to apply
- Adheres excellently to concrete and metal
- Forms a seamless, monolithic coating
- Elastic, does not crack when the structure settles
- Forms a watertight layer against groundwater pressure in deep foundations
- Solvent-free
- Thanks to its reactive component, provides both fast drying and resistance to high water pressure
- Suitable for vertical and horizontal surfaces, does not sag
- Resistant to acids, aggressive minerals and chemicals in the soil
- Bridges shrinkage cracks and prevents crack formation

Technical Specifications

General Information	
Material composition	Polymer modified bitumen rubber emulsion and special cement
Appearance	Brown (black after drying)
Density	1.14 kg/l
Performance Data (EN 15814)	
Softening point	≥ 80°C

Flexibility at low temperature (EN 15814)	No cracking at 0°C
Dimensional stability at high temperature (EN 15814)	No sagging at 70°C
Water resistance	No colour change or surface deterioration
Watertightness (EN 15820)	W2A
Resistance to water penetration	≥ 7 bar (positive, at min. 4–6 mm thickness)
Crack bridging (EN 15814)	CB2
Resistance to compression (EN 15814)	C2A
Rain resistance	R1
Solid content	Component A 58%, A+B mix 68%
Thickness loss on full cure	~32%

Application Data

Application temperature	+5°C / +35°C
Mixing quantity	Component A 24 kg / Component B 8 kg
Pot life	1–2 hours
Water contact time	Min. 48 hours
Time to become watertight	7 days
Drying time	3 days
Waiting time before backfilling	3 days
Consumption	3–6 kg/m ² (2–4 mm dry film thickness, 2 coats)

Safety Information

Reaction to fire class (EN 13501-1)	E
Hazardous substances	Refer to SDS

The stated technical values are obtained at +20°C ambient temperature and 50% relative humidity conditions. High temperatures shorten the time, low temperatures extend it.

Application Instructions

Surface Preparation

The application surface must be sound, dry, clean, dust-free and load-bearing. The surface must be free from oil, grease, rust, paraffin and similar contaminants that may adversely affect adhesion. Any metal or wooden debris on the surface must be removed, and active water leaks, if present, must be sealed with TAMCRETE® CRM RAPID fast-setting repair material. Voids 5–20 mm deep must be filled at least 2 days in advance with a suitable TAMCRETE® repair mortar. Internal wall corners must be chamfered with TAMCRETE® CRM100 TX repair material.

Mixing

IZOMAX® B772 is a two-component product packaged in ready-to-use quantities. Component B (powder) is slowly added onto Component A (bitumen) and mixed with a mixer at 400–600 rpm until a homogeneous mixture is obtained. The mixture must be prepared only with its own components; water or foreign materials must never be added.

Priming

Component B of IZOMAX® B772 is mixed with water at a ratio of 1:5 using a mixer at 400–600 rpm for 3–5 minutes. The prepared solution is applied to the surface as a primer with a suitable brush, avoiding accumulation of material on horizontal surfaces. Once the primer has fully dried (2–12 hours), the first coat can be applied.

Application

IZOMAX® B772 is applied to the prepared surface in at least 2 coats using a brush, trowel or spray gun. The second coat must not be applied until the first coat has fully dried. Coats must be applied perpendicular to each other. After the first coat has dried, an alkali-resistant fibreglass mesh must be embedded across the entire surface to achieve the declared CB2 (crack bridging) and C2A (resistance to compression) classes according to EN 15814; the second coat must fully cover the mesh. Apply at least 2 coats to obtain a non-porous, waterproof coating. Do not apply if it is raining, or if rain is likely during the drying period. Once the product has fully cured, foundation voids may be backfilled, with protection provided by EPS and drainage boards. Backfilling must not be carried out before a protective covering has been applied. Do not apply in very humid and/or hot weather. Do not apply if there is a risk of frost within 24 hours of application, or in rainy weather conditions.

Consumption

Application area	Minimum dry film thickness	Minimum consumption
Priming (IZOMAX® B772 Component B)	—	0.2 kg/m ²
Waterproofing against ground moisture (no water pressure)	2 mm	3.0 kg/m ²
Waterproofing against temporary pressurized water	3 mm (with fibreglass mesh)	4.5 kg/m ²
Waterproofing against permanent pressurized water (groundwater)	4 mm (with fibreglass mesh)	6.0 kg/m ²

Cleaning of Tools

All equipment used during application must be cleaned with water before it dries. Once hardened, the material can only be removed from surfaces mechanically or with solvent.

Storage Conditions and Shelf Life

Store in the original, unopened packaging in a cool, dry place. The liquid component must be protected from frost. If not in use, packaging must be tightly resealed. Clumped or hardened product must never be used. Under proper storage conditions, the product has a shelf life of 24 months from the date of manufacture.

Safety Precautions

During application, suitable work clothing, protective gloves, goggles, and a mask should be worn in accordance with occupational health and safety requirements. Due to the irritant effects of the uncured material, the components must not come into contact with skin or eyes; in case of contact, rinse immediately with plenty of water and soap, and seek medical attention immediately in case of ingestion. Food products must not be kept in the areas where the material is applied. Store out of reach of children. Refer to the Safety Data Sheet for further information.

Liability

Our company is responsible only for the quality of the product. Any use of the product beyond the scope of written technical recommendations, including incorrect application or use under unsuitable conditions, is the sole responsibility of the user. For more detailed technical information, please refer to the product catalogue or contact our authorized representatives.

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