

IZOMAX[®] Aqualastic

Elastomeric Acrylic Resin Based, Single-Component, Flexible Waterproofing Material

About the Product

IZOMAX[®] Aqualastic is a single-component, ready-to-use, flexible waterproofing material based on elastomeric acrylic resin.

Complies with class DMO2 according to EN 14891.

DM: Dispersion-based waterproofing material

O2: Crack-bridging ability (-20°C)

Areas of Application

- Indoor and outdoor areas of all structures
- Horizontal and vertical surfaces
- On concrete, cement-based screeds, plaster, and cement-based boards
- Beneath ceramic tiling in wet areas such as balconies, bathrooms, toilets, and kitchens
- As a waterproofing layer beneath paint and coatings on external surfaces
- On metal surfaces, applied together with COATIX[®] Steelcoat Primer U1

Advantages

- Ready to use; easily applied with a brush, roller, or sprayer
- Can be painted with acrylic paint; ceramic or tile can be applied directly without the need for roughening
- Environmentally friendly, solvent-free
- Forms a seamless, monolithic waterproofing layer
- Resistant to light foot traffic
- Resistant to ponding water on the surface
- Elastic structure provides resistance to temperature fluctuations
- Maintains high crack-bridging capacity even at very low temperatures
- High elongation at break provides safe performance on surfaces subject to movement

Technical Specifications

General Information	
Material composition	Elastomeric acrylic resin
Elasticity class	DMO2 fully elastic
Appearance	Blue
Density	1.55 ± 0.05 g/mL
Performance Data	
Bond strength (EN 14891)	≥ 1.0 N/mm ²
Bond strength after contact with chlorinated water (EN 14891)	≥ 1.0 N/mm ²
Crack bridging -5°C (EN 14891)	≥ 5.00 mm
Crack bridging -20°C (EN 14891)	≥ 3.50 mm

Capillary water absorption (EN 1062-3)	$\leq 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Watertightness	No penetration
Elongation at break (after 7 days)	$\geq 250\%$
Resistance to foot traffic	Light foot traffic
Resistance to ponding water	Yes
Application Data	
Application temperature	+10°C / +30°C
Tack-free time	~1–2 hours
Waiting time between coats	~6 hours
Waiting time before tiling	Min. 2 days (23°C, 50% relative humidity)
Full cure time	48 hours
Time to reach mechanical strength	7 days
Time to become watertight	7 days
Time to reach final strength	28 days
Number of coats	Min. 2 coats
Consumption	~1.5–2.0 kg/m ² (for 1 mm dry film thickness)
Safety Data	
Hazardous substances	Refer to SDS

The figures stated above are valid at an ambient temperature of +23°C and 50% relative humidity. Higher temperatures shorten the time, while lower temperatures extend it.

Application Instructions

Surface Preparation

The surface to be treated must be sound, dry, clean, free of dust, and load-bearing. The surface must be free of mould-release agents, paint, rust, wax, and similar residues that could impair adhesion. The surface must be free of loose particles. Significant defects and holes in the surface must be repaired at least 24 hours before application with a suitable TAMCRETE® repair mortar; where rapid application or sulphate resistance is required, an appropriate special repair mortar must be used. Surfaces must be primed with IZOMAX® Aqualastic diluted with 40% water. Demanding surfaces such as metal must be primed with COATIX® Steelcoat Primer U1 for high adhesion. Surfaces must be cleaned with compressed air before application.

Mixing

IZOMAX® Aqualastic is a ready-to-use, single-component product. Before application, it must be mixed with a low-speed mixer until homogeneous. For priming, the product is diluted with 40% water. Foreign materials must never be added.

Application

After the primer coat has dried, the product must be applied undiluted, in at least 2 coats, by brush, roller, or spraying, to a total thickness of 1.0–1.5 mm. Fine cracks, joints, corners, and edges must be reinforced with polyester fleece after the first coat. On roof terraces, polyester fleece must be applied over the entire surface after the first coat. Once the first coat has dried, the second coat must be applied perpendicular to the first. Between coats, a waiting time of 4–6 hours is required, depending on ambient temperature. The product must not be used against negative water pressure. Salt water must never be used. The surface to be treated must be dry. After application, the surface must be covered with a protective layer such as a screed, ceramic tiling, or similar. If ceramic tiling is to be applied, a high-performance CERAMAX® C2 S1/S2 class tile adhesive complying with EN 12004 must be used. Movement joints on the application surface must not be sealed with this product; the continuity of the waterproofing at these points must be ensured with suitable

movement joint tapes. Application must not take place where there is a risk of frost (within 24 hours), in very humid and/or very hot weather, in direct sunlight, or in strong wind.

Cleaning of Tools

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

Storage Conditions and Shelf Life

Store in a dry, cool place. When not in use, the container must be tightly resealed and protected from frost. Pallets must not be stacked on top of one another during transport and storage. Under proper storage conditions, the product has a shelf life of 2 years 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 product, the material 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 (SDS) 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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