

WP-205 Elastik



Cement-Based, Two-Component Elastic Waterproofing Material

Description

A two-component, fully elastic waterproofing material based on cement and acrylic polymer emulsion.

Advantages

- High adhesion strength, elasticity, and excellent crack-bridging capability.
- Easy to prepare and can be applied with a brush, trowel, or spray.
- Forms a seamless, joint-free, permanent coating.
- Resistant to freeze-thaw cycles.
- Permeable to water vapor.
- Suitable for both horizontal and vertical applications.
- Can be covered with finishing materials.
- Long pot life.
- Resistant to chemicals and minerals in soil.
- Suitable for use in drinking water tanks (BS 6920 potable water compatibility report available).

Areas of Application

- Wet areas (bathrooms, toilets, kitchens),
- Terraces and balconies (must be covered afterward),
- Under ceramic tiles as a waterproofing layer,
- Drinking and utility water tanks,
- Planters,
- Swimming pools,
- Retaining walls,
- Basements, building foundations, and exterior walls as a waterproofing material.

Surface Preparation

The surface must be clean, moist, smooth, and sound. Remove any adhesion-preventing materials such as paint, bitumen, curing compounds, oil, etc. Scrape off mortar and cement residues. Surface defects must be repaired at least 24 hours before application with suitable Hammerfast RM-150 repair mortars. Porous surfaces like exposed concrete or cement plaster should be moistened before application, but water ponding should be avoided.

Application

Pour the 20 kg powder component (A) into the 10 kg liquid component (B) and mix with a low-speed drill for 3–5 minutes until a lump-free, homogeneous consistency is obtained. Rest the mixture for 3–4 minutes, mix again before application. Apply at least two coats using a brush or trowel. Each coat should be applied perpendicular to the previous one, with a minimum of 5 hours between coats. Before starting, form fillets on sharp corners using Hammerfast RM-150 T repair mortar. If fillets cannot be made, Hammerfast Fillet Tape should be used. In cases requiring mesh reinforcement, place the mesh onto the first coat while it is still wet, then apply the next coats after curing.

Consumption

Approx. 2.2 kg/m² (for two coats).

Technical Properties

Color & Appearance	A = Grey powder / B = White liquid
Mixing Ratio	A: 20 kg / B: 10 kg
Type (TS EN 14891)	CM
Density (A+B)	1.50 ± 0.05 kg/L
Application Thickness	0.75–1.75 mm
Substrate Temperature	+5 °C to +30 °C
Service Temperature	-25 °C to +80 °C
Mechanical Strength Time	2 days
Time to Apply Coating	3 days
Waterproofing Onset	7 days
Water Impermeability (EN 14891 A.7)	No penetration and ≤ 20 g
Crack Bridging (EN 14891 A.8.2)	≥ 0.75 mm
Positive Water Pressure Resistance	7 bar
Adhesion Strength	≥ 1.00 N/mm ² (28 days)
Capillary Water Absorption (TS EN 1062-3)	≤ 0.10 kg/(m ² ·h ^{0.5})
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*These are the values found at 23±2 °C temperature and 50±5% relative humidity.

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Important Notes

- Apply a protective coating on areas exposed to foot traffic or direct sunlight.
- Protect from sunlight, air drafts, and frost for 3 days after application.
- Moisten the surface before application in hot weather.
- Do not exceed the recommended application thickness.
- Do not add foreign materials.
- In wet areas, joints, and corners should be filleted or reinforced with fillet tape.
- Not suitable for wood, chipboard, or metal surfaces.
- Not to be used against negative water pressure.
- Do not apply on frozen, thawing, or frost-risk surfaces within 24 hours.
- Avoid application under direct sunlight, strong wind, or on hot surfaces.

Storage and Shelf Life

12 months from the production date if stored in original, unopened packaging in a cool, dry place between +10 °C and +35 °C, protected from direct sunlight. Keep containers tightly closed when not in use. Do not stack pallets on top of each other.

Safety Precautions

- Keep out of reach of children.
- Do not eat or swallow.
- Keep away from food products.
- Avoid inhalation and skin contact.
- May cause allergic reactions.
- In case of eye contact, rinse immediately with plenty of water and seek medical advice.
- Use gloves, goggles, and protective clothing during application.
- Wash hands thoroughly with water after use.
- For detailed information, refer to the Material Safety Data Sheet (MSDS).

Packaging

- Powder component: 20 kg kraft bag
- Liquid component: 10 kg plastic can

Tool Cleaning

Clean all tools immediately after application with water.

Kalite belgeleri

- TSE
- CE
- ISO 9001
- ISO 14001

