SUTOP EBT-2B PLUS B

Two-Component Polymer-Modified Bitumen Rubber Based Waterproofing Material

WATERPROOFING SOLUTIONS

Areas of Use

- Foundation and basement walls.
- Garden and retaining walls.
- External waterproofing of water tanks.
- Waterproofing beneath cement-based screeds in wet areas and on balconies.
- Protection against dampness and moisture.
- Bonding thermal insulation boards.

Properties

- Easy to prepare and apply.
- Provides seamless waterproofing.
- Fully adheres to the substrate.
- Has crack-bridging properties.
- Water-based and environmentally friendly.
- Easy to apply with a brush, trowel or spray machine. (Contact us regarding machine application.)
- Can be applied to vertical and horizontal surfaces without sagging.
- UV resistance is limited; the coating must be covered after application.

Application

Surface Preparation

The substrate must be sound and free from oil, grease, rust, paraffin, paint, bitumen residues and any other materials that may prevent adhesion. Remove all loose particles. Before application, repair and fill any pinholes, cracks and tie-rod holes using Entegre repair mortars. To improve adhesion, prime the substrate with the bitumen component of SUTOP® EBT-2B PLUS B diluted with water at a ratio of 1:5. Allow the primer to dry before applying the product.

Application Conditions

- Do not apply to frozen surfaces.
- The substrate must be dry and free from dust and materials that prevent adhesion.
- Take the necessary precautions in areas where water or water vapour is present on the negative side.
- Before application, check substrate moisture and adhesion, and determine the dew point.
- This product must be applied only by experienced professionals.
- Refer to the safety data sheet for further information.

Liability: Above stated data obtained in lab conditions. Entegre will not be liable for any defect in product occurring by reason of events or conditions not within its control such as misuse, mishandling, improper storage or improper installation. Entegre reserves the right to revise the information contained herein without prior notice.

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Application Details

Add powder component B to liquid component A and mix with a mixer operating at 400–600 rpm until a homogeneous mixture is obtained (approximately 5 minutes). Use the mixture without prolonged delay and consume it within 1–2 hours. Apply the prepared material to the primed substrate. Determine the total application thickness according to the application area and the water pressure to which the waterproofing layer will be exposed. Consumption and the number of coats may vary depending on the substrate and water pressure. Apply the second coat only after the first coat has dried completely. Apply a scratch coat to highly porous, uneven or pitted surfaces to prevent air bubbles and/or level the surface. Working and drying times may increase or decrease depending on temperature. Waterproofing reinforcement mesh may also be used if required. If SUTOP® EBT-2B PLUS B is to be covered with a protective layer, broadcast silica sand onto the final coat before the surface dries. Once dry, sweep away loose sand. A screed may then be laid over the cleaned surface. After this protection has been provided, ceramic tiles may be installed using tile adhesive. Never apply in rainy weather or on wet substrates. For wall applications, install thermal insulation or protection boards and drainage membranes before backfilling.

Consumption

Consumption for a 1 mm dry film thickness is 1.5 kg/m^2. Consumption for a minimum of 2 coats is 3–3.5 kg/m^2. (May vary depending on substrate characteristics and application conditions.)

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Technical Data

Property	Value
Component A	Polymer-modified bitumen rubber
Component B	Cement-based powder component
Colour	Brown; black when dry
Density (A / A+B)	1.08 kg/l / 1.16 kg/l
Solids content (A / A+B)	62% / 72%
Application temperature	+5 °C to +35 °C
Service temperature	−20 °C to +80 °C
Mixing ratio (A/B)	24+8
Curing	3 hours
Pot life	2 hours
Full drying	1–5 days

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Test	Standard	Criterion	Result
Watertightness	EN 15820	Duration: 72 hours Pressure: 0.75 bar Dry film thickness ≥ 4 mm (without mesh)	W2B
Crack bridging	EN 15812	Bridged crack: ≥ 2 mm	CB2
Flexibility at low temperature	EN 15813	Duration: 1 hour Temperature: 0 °C Method: bending in 3 seconds	Pass
Dimensional stability at high temperature	EN 15818	Duration: 2 hours Temperature: 70 °C	Pass
Water resistance	EN 15817	Immersion in water for 28 days	Pass
Rain resistance	EN 15816	Rainfall is simulated 8 hours after application.	R2
Reduction in layer thickness	EN 15819	Must be less than 50%.	Pass
Reaction to fire	EN 13501-1	Euroclass	E

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Packaging and Storage

- Component A: 24 kg liquid component.
- Component B: 8 kg powder in a polyethylene bag.
- 32 kg combined set in a plastic bucket.
- Shelf life is 24 months in unopened packaging stored away from sunlight.

Warnings

- Protect from water, frost and severe weather conditions.
- Damaged or opened containers must be closed immediately and used first.
- Application at temperatures between +5 °C and +30 °C is recommended.
- Observe the storage conditions during transport.
- Do not leave unapplied product in direct sunlight.
- Do not use outside the specified areas of use or contrary to the application instructions.
- Do not inhale directly.
- In case of contact with eyes, rinse with plenty of water and seek medical advice if necessary.
- Request the product safety data sheet for further information.
- Contact us for technical questions and all other application conditions.

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