

ENTEGRE**SUTOP ÇİFT® KRİSTALİZE**

"Building Life"

Cement and Acrylic Based, Ready-to-Use, Two-Component Crystalline Waterproofing Mortar**WATERPROOFING
SOLUTIONS**

Areas of Use

A cement- and acrylic-based crystalline waterproofing material used on horizontal and vertical surfaces, indoors and outdoors, against seepage and surface water, and for negative-side waterproofing of retaining walls, lift shafts, foundations, external pool walls and similar structures; suitable for application over cement-based renders, screeds and fair-faced concrete.

Properties

- Provides easy and fast application.
- Resistant to negative-side water pressure.
- Hygienic.
- Forms crystalline structures within the capillary pores of concrete, blocking the pores and providing watertightness.
- In addition to penetrating the concrete through crystallisation, it forms a flexible, durable layer on the surface, thereby providing two-stage protection.
- Permanently blocks moisture and stops non-pressurised and minor water seepage.
- Protects surfaces against the damaging effects of moisture and dampness.
- Resistant to severe weather conditions.

- Suitable for use on surfaces finished with cement-based render or screed.
- Contains no soda or chlorides and protects reinforcement in concrete against corrosion.

Application

Surface Preparation

The application surface must be free of pores and cracks. Remove form-release oil, paint, dust and similar contaminants from the surface.

Surface debris (iron, wood, etc.) must be removed, and the resulting voids filled with suitable fiber-free ENTEGRE Repair Mortars. Active water leaks must be stopped with WATERFIX®. The surface must then be dampened before application.

Mortar Preparation and Application

Place Component B (9 kg liquid component) in a mixing container. While mixing continuously, add the entire Component A (25 kg powder component) and mix with a low-speed mixer until a homogeneous mixture is obtained (approximately 3 minutes). Allow the mortar to rest for 5 minutes, then remix until a fluid consistency is obtained.

After dampening the substrate with water, apply the fluid mortar by brush to the surface that may come into contact with water. Apply 2 or 3 coats, with each coat applied perpendicular to the preceding coat. Depending on the temperature, wait at least 3 hours

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between coats; dampen the surface between applications where necessary. Continuous mixing of the product during application is recommended. Walls and trafficable floors must be protected with a final covering such as screed or ceramic tiles.

After application, keep the surface damp for 5 days and prevent it from drying. During this period, protect the

surface against direct sunlight, wind, frost and other external effects.

Consumption

4,0–4,5 kg/m² 3 coats (Consumption may vary depending on surface characteristics and application conditions.)

Technical Values

Water Vapour Permeability (TS EN ISO 7783)	Class I
Pull-Off Adhesion Strength (TS EN 1542)	No traffic load / Rigid
Capillary Water Absorption and Permeability, kg/m ² ·h ^{0.5} (TS EN 1062-3)	≤ 0,1
Reaction to Fire Class (TS EN 13501-1)	A2
Bond Strength, N/mm ²	≥ 1
Powder Bulk Density, g/cm ³	1300 ± 200
Working Time, min	Approx. 50 min

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Packaging and Storage

- Supplied as a set comprising 25 kg Component A (powder component) and 9 kg Component B (liquid component); palletised delivery is available upon request.
- Store unopened in the original packaging in a dry, frost-free environment, stacked no more than 8 bags high. Use within 6 months from the date of manufacture and within 1 day after opening the bag.
- Keep packages tightly closed when not in use.

Warnings

- Do not add any foreign material (lime, cement, gypsum, etc.) to the prepared mortar.
- Mortar that has exceeded its working time must not be mixed with water or dry mortar and reused.
- Application is recommended at temperatures between +5 °C and +35 °C.
- During the first 24 hours after application, SUTOP ÇİFT® KRİSTALİZE must be protected against sunlight, wind, rain and frost.
- Do not apply on frozen surfaces.
- Do not apply under direct sunlight.

- Do not use on surfaces other than those specified or contrary to the application instructions.
- Do not inhale directly. In case of contact with eyes, rinse with plenty of water and seek medical attention if necessary.
- Request the product safety data sheet for further information.
- Contact us for all other application conditions and technical questions.

Certificate of Conformity



TS EN 1504-2 / April 2008

Suitable for contact with drinking water in accordance with BS 6920.

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