

### SUTOP CIFT® KRİSTALİZE

#### Cement Based, Double-Component Crystallized Waterproofing Mortar

#### **FIELD OF APPLICATION**

It's the cement based crystallized waterproofing material used for waterproofing from negative sides such as on horizontal and vertical surfaces, indoors and outdoors, against leakage and surface waters, on retaining walls, elevator shafts, foundations and outer walls of pools, etc., screeds and exposed concrete.

#### **PROPERTIES**

It may be easily and rapidly applied.

Resistant against water pressure from the negative direction.

Creates a crystal structure on the capillary hole inside the concrete and provides water impermeability by blocking the hole.

Hygienic.

Suitable for use on surfaces applied with cement-based plaster and screed.

Prevents unpressurised and weak water leaks by preventing the humidity permanently.

Protects surfaces from destructive effect of moisture and humidity.

Resistants to excessive weather conditions.

Does not contain soda and chloride, protects reinforcement against corrosion.

#### **APPLICATION**

##### **SURFACE PREPARATION**

The surface to be implemented should not have pores or cracks. It must be free from all contaminants such as dust, paint, surface mold oil.

Components on the surface must be removed (iron, wood, etc.) and must be sealed with appropriate Entegre Repair Plasters. If there are active water leakages, they must be stopped via WATERFIX®. After moistening the surface, implementation can be made.

##### **PREPARATION AND APPLICATION OF THE MORTAR**

Component B shall be put inside the mixing vessel (9 kg of fluid component). Then, Component A (25 kg of powder component) shall be added completely by stirring continuously and it shall be stirred until a homogeneous mixture is obtained (approximately 3 minutes) with a low speed mixer. After resting for 5 minutes, the mortar shall be stirred until achieving fluid characteristics again.

After dampening the application surface with water, fluid mortar shall be applied on the surface that may contact with water using a brush. It shall be applied as 2 or 3 coats, and so that the direction of

application is perpendicular to the previous application. Wait at least for 3 hours between coats depending on the temperature, and perform dampening procedure between application of coats when required.

We recommend you to stir the product continuously during application. Walls and surfaces to be walked on shall be coated with a final coat such as screed, ceramic, etc.

Surface shall be kept dampened and it shall be prevented from drying for 5 days after application. It shall be protected against external factors such as direct sunlight, wind, frost, etc.

### **CONSUMPTION**

1.5-2.0 kg/m<sup>2</sup> for single coat (Application at proper surface and ambient conditions is taken as a reference. It may differ as per surface specifications and application conditions.)

### **TECHNICAL DATA**

<b>Water Vapor Permeability</b>	Class I
<b>Shear Tensile Adhesion Strength</b>	No traffic load / Rigid
<b>Reaction to Fire</b>	A2
<b>Adhesion Strength, N/mm<sup>2</sup></b>	≥1
<b>Capillary Water Absorption and Water Permeability (kg/m<sup>2</sup>h<sup>0.5</sup>)</b>	Max. 0,1
<b>Powder Density, g/cm<sup>3</sup></b>	1300 ± 200
<b>Working Time, min.</b>	app. 50 min.

### **PACKAGING AND STORAGE**

- Available in 25 kg A compound (powder compound) or 9 kg B compound (liquid compound), delivered in pallets upon request.
- 6 months from date of manufacture, if stored in unopened original package; under dry, frost free conditions and arranged maximum 8 bags one above the other. Recommended to be consumed in 1 week after the package is opened.

### **RECOMMENDATIONS**

- No other material should be added (lime, cement, gypsum, water, etc.)
- If mortar's lifetime is over, it should not be used again by mixing with water, liquid component or dry mortar.
- Application is advisable in temperature of +5 ° C to +35 ° C.
- SUTOP CIFT® KRİSTALİZE; must be protected from factors such as sun light, wind, raind and frost within 24 hours following the application.
- Do not apply on frozen surfaces.

- Do not apply under direct sunlight.
- Do not exceed the specified instructions and application surface.
- Do not inhale. In case of flush contact with eyes, flush with plenty of water, seek medical advice if necessary.
- Ask for product safety data sheet for more information.
- Please consult us for your technical questions related to all other application conditions.

## **CERTIFICATE OF CONFORMITY**



**Complies with TS EN 1504-2/ April 2008 Standard.**

It is suitable for contact with drinking water as per BS6920 standard.  
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*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.*

**ENTEGRE HARÇ SANAYİ VE TİC. A.Ş.**

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