

## > **SUPERFLEX STANDARD**

Cement-Acrylic Based, Two Component, Full-Elastic Waterproofing Material

### Description

SUPERFLEX STD is a cement-acrylic based, two-component, full-elastic insulation material used on concrete, curtain and cement based plasters and applied from the inside and outside against leaking and surface water.

### Fields of application

- In water pressure exposed areas like pools, water tanks and in wet volumes such as terrace, balcony, basement.
- Building foundation, retaining wall, indoor and outdoor for vertical and horizontal applications from the direction of coming water (i.e. from positive side)
- In facilities like wet areas like bathrooms.
- In insulation of flower gardens.

### Features and Benefits

- Resistant to chloride water.
- Resistant to chemicals and salt solutions in soil.
- Can be used in areas that affected by movement and vibration.
- It forms a water impermeable layer under screeds and ceramics with high adhesion performance and elastic properties.
- Highly flexible properties provide excellent crack bridging performance.
- Provides up to 1.2 mm crack bridging performance with 2 mm thickness application.
- Long working time and easy to apply.
- Safely used in drinking water tanks.

### Technical Data

Color	blueish grey
Mixing	10 kg A component : 5 kg B component
Mixture Density	1,70 g/cm <sup>3</sup>
Adhesion Strength	1,00 N/mm <sup>2</sup>
Resistance to Pressurized Water	7 bars positive
Capillary Water Absorption	≤0,10 g (after 4 hours) (EN 12808-5)
Usage Period	2 hours
Maturity Period	3-5 minutes
Application Temperature	5°C to +25°C
Service Temperature	20°C to +80°C
Application Tools	Brush, roller
Drying Time	
Mechanical Strength	2 days
Water Impermeability	7 days
final Strength	14 days

### Application Procedure

#### Preparation of Substrate

Application substrate must be dry, sound, mainly smooth, clean and fine pored. The application surface must be clean off materials which prevent bonding, such as oil, rust, paint, silicone, curing agents, detergents and paraffin wax. Weak parts of the concrete must be repaired, plasters that are not well adhered must be removed, the surface must be flat and sound, static cracks on the building must be repaired with a plaster containing SBR SUPER LATEX or RAPID BUILD 20/30. Holes that have water outflow must be filled with PLASTIC MORTAR. The surface must be saturated with water and must be kept moist during the application. On vertical and horizontal corners fillet with min. 4 cm radius must be applied.

## Technical Data Sheet



### Application Method

Pour liquid Part B into a clean mixing container and slowly add powder Part A while mixing with a 400-600 rpm mixer. Continue mixing for at least 3-5 minutes until a homogenous and uniform mixture is obtained. Wait for 3-5 minutes and mix again for approximately 30 seconds and becomes ready to use. Prepared SUPERFLEX STD mixture is applied by brush or trowel as two or three layers. Brush application direction in each layer must be perpendicular to each other. Minimum 5-6 hours and maximum 24 hours, must be waited after first coat application at +20°C. Second layer must be applied before the first layer is not completely dry. In case the first layer is dry, the surface must be moisturized again before the application of the second layer. The surface must be protected from sunlight and prevented from drying quickly, for 3 days after the application of the second layer. It is recommended to use a mesh between the layers. Using mesh increases the reinforcing properties of the product.

### Consumption

0.5 to 0.6 kg/m<sup>2</sup> is applied on each layer. It is recommended that, at least 2 coats application.

If application surface will be uncovered, needed 3 coats application.

### Packaging

15 kg set

30 kg set

### Shelf Life

12 months in original, unopened package.

### Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight

### Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### Cautions/Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- After application, material must be protected from losing its water rapidly.
- Protect the surface from direct sun light, wind, frost or rain in 24 hours.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +25°C.
- Avoid heavy traffic for 24 hours.

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection.

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from Carbosil Company. Please contact with technical service department for further information and support.

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**Product Information:**

Cement-Acrylic Based, Two Component, Flexible, UV Resistant Waterproofing Material  
Application Type: Coating (2.2 / 8.2)

Standard:

EN 1504-2:2004

Performance Characteristics:

- Water Vapor Permeability: Class I ( $S_d < 5 \text{ m}$ )
- Capillary Water Absorption:  $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$ 
  - Adhesion Strength (Pull-off):  $\geq 1 \text{ N/mm}^2$
  - Reaction to Fire: B s1 d0
- Dangerous Substances: In accordance with clause 5.3