

webertec

D-flex

ONE COMPONENT,
HIGHLY FLEXIBLE,
WATERPROOFING
COATING

webertec D-flex is a one component, highly flexible, waterproofing coating.

Product benefits:

- Highly flexible waterproofing coating.
- Crack-bridging up to 5 mm Resistant to chlorinated water.

Area of application

Used in protection of constructed buildings from water and moisture impact, for inside and outside positions, for surfaces based on cement and bricks. Recommended positions for installation are bathrooms, kitchens, terraces, balconies, plinths, pools and tanks, foundations, foundation slabs, basements. Suitable for use in floor heating systems.



Base preparation

The base on which the product is applied on must be clean, solid, dry, bearing and without parts falling off. All materials that reduce adhesion (paint residue, plaster, grease, dust, etc.) should be fully removed. Surface tensile strength of the surface measured by “pull off” test must be $> 1,0 \text{ N/mm}^2$.

Concrete surfaces, cement screeds and plasters based on cement and lime must be mechanically roughened and clean from dust. With protection from positive water pressure, optionally, in order to improve the quality of the surface, absorbent and old surfaces should be covered with primer weberprim 813 in scale 1:3, and non-absorbent surfaces with primer weberprim 813, two hours prior to the start of work (temperature 20°C , relative humidity up to 65%).

Product use and installation

1. Prior to the application of waterproofing coat, it is necessary to apply watertight layer on all joints and pipe penetrations with watertight mortar webertec 933 with protection from negative pressure of water, of waterproofing tapes, corners and collars with protection from positive water pressure (webertec max tape 120/webertec tape/ butyl tape 120/webertec inside corner/webertec outside corner/webertec collar/webertec multy size collar) in a manner described in technical sheets for stated products.
2. The content of the bag 20 kg should be added into 4.6 l of water with constant mixing with electric mixer until the mass becomes homogenous.
3. Wait for 5 minutes, and then mix again for a short period of time. Afterwards, the waterproofing material is ready for application.
4. webertec D-flex is applied using a brush, trowel or a roll in minimum two layers. Thickness of one layer is 1.0 mm. Each subsequent layer will be applied in a perpendicular position.

5. Period of drying between layers will be approximately 3 hours. *
6. Applied material should be protected from direct water impact for 24 hours.
7. You may continue setting ceramics using an adhesive with minimum categorization C2 (standard EN 12004), 24 hours after application of the last layer of the waterproofing. *
8. It is important to provide curing of the product immediately after applying minimum 3 to 5 days, in order to secure full hydration of cement and reduce the possibility of occurrence of cracks. For this purpose, it is best to use nylon (polyethylene) coverings or similar proven curing methods.

* All stated parameters refer to standard weather conditions: temperature 20°C , relative humidity up to 65%. If the weather conditions are not in line with standard, it is necessary to adjust the work process to the given circumstances and expect the product will bond quicker in warmer weather, that is, slower in the cold, making sure the temperature of the surface and air is not under 5°C and above 30°C .

The manufacturer recommends application on small, test surfaces to make sure the product/surfaces are properly prepared and whether appropriate conditions for use and installation have been provided. If not, please stop the work and contact the Saint-Gobain građevinski proizvodi d.o.o Beograd representative. The company shall not be responsible for incorrect execution of works with the stated material as well as use of material for the purpose not stated in product description. Complaints submitted after execution of works shall not be accepted.

Tools

For mixing: electric mixer.
For application: brush, roll or trowel.

Product consumption

Approximately 1,75 kg/m² per layer depending on type and features of the surface.

Keeping, storage and transport

Product must be stored in original, undamaged packaging, in dry and closed space, protected from elements.

The product is not hazardous for transport in the sense of all national and international transport regulations. During transport, the product must be protected from the elements. Transport and store the product at temperature from +5 °C to +30 °C.

Product safety

Hazardous compound ingredients: Portland cement, gray, 20-50%.



Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Wear protective gloves, protective clothing and eye protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or a doctor. Dispose of contents and container in accordance with RS regulation. Content of soluble chrome Cr (VI) in the product is less than 0.0002% calculated at total dry weight of the cement.

Technical characteristics of the product

Product color: gray.

Pot life: approximately 60 minutes depending on weather conditions and thickness of the layer.

Packaging: bag 20 kg, 1200 kg on the pallet.

Expiration date: 12 months from the production date pressed on the packaging.

Detailed information on product, additional documentation and safety data sheet are available on the official webpage www.rs.weber.

Cleaning

Residue of fresh product can be cleaned from the tools and surfaces with water. Dry product can be removed mechanically.

Product limitations

webertec D-flex cannot be used in the following situations:

- With wooden and metal surfaces.
- At temperatures lower than +5 °C and higher than +30 °C.
- With surfaces containing impurities and water.

The product is not UV stable and it should not be used as a finishing layer. In case you are planning, on the hydro insulation layer, the setting of ceramic tiles, it is recommended to use an adhesion of minimum categorization C2 (standard EN 12004).

PROPERTY	VALUE	TESTING METHOD
Adhesion to concrete surface, MPa - Dry procedure	≥0,5	EN 14891:2012, A.6.2
Adhesion to concrete surface, MPa - After curing in water	≥0,5	EN 14891:2012, A.6.3 ili A.6.4
Adhesion to concrete surface, MPa - After curing on increased temperature	≥0,5	EN 14891:2012, A.6.5
Adhesion to concrete surface, MPa - After cycle of freezing - de-freezing	≥0,5	EN 14891:2012, A.6.6
Adhesion to concrete surface, MPa - After contact with lime water	≥0,5	EN 14891:2012, A.6.9
Bridging cracks under normal conditions, mm	≥0,75	EN 14891:2012, A.8.2
Water-tightness at 5.0 bar, 7 days	Watertight and ≤20 g per test sample of increased weight	EN 14891:2012, A.7

Environment

Unused product and empty packaging may not be disposed outside of waste management locations.

Disposal method

Disposal of content and packaging in line with local regulations. Dispose the packaging and unused material separately. Do not allow penetration into the sewerage system. Do not dispose together with municipal waste.

Country of origin and product manufacturer

Country of origin: Republic of Serbia.

Manufacturer: Saint-Gobain građevinski proizvodi d.o.o. Beograd, 115d Bulevar Mihajla Pupina Street, 5th floor, 11070 Novi Beograd, Republic of Serbia. Contact telephone: 011/3149681.



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Technical information stated herein as well as recommendations are based on our knowledge and experience in cases when the product is properly stored, used, transported and when handled in regular conditions. The buyer, or the user of the product is advised to test the product, if it is suitable for use for intended purpose. Considering the fact, we do not have influence on the circumstances of product use and handling, we shall not be liable for consequences occurring from irregular use. The buyer, or the user of the product shall be liable in case the product is kept, transported, installed and used contrary to instructions, purpose and properties and information on product safety, as well as after stated expiration date for product use. Our team of experienced experts provides advice in phases of planning and application of our products. Visit to the construction site and demonstration of application of our products may be organized at request. Contact our technical team and find out more on our products on the website www.saint-gobain.rs.