

# webercol crystal tixogel

FLEXIBLE WHITE STONE  
AND MOSAIC ADHESIVE

## *Area of application*

It is intended for gluing ceramic tiles, natural stone, glass and mosaic tiles, marble and granite to absorbent and non-absorbent surfaces. It is suitable for gluing stones sensitive to color change (blooming). Recommended for surfaces with increased temperature, mechanical and dynamic load.

webercol crystal tixogel is a white thin-layer flexible adhesive for gluing stone and all types of tiles. It is made of white cement, selected fillers, additives and enriched with polymers. It is made in tixotropy technology contributing to the greater strength of bonding to the tile and the surface.

Product benefits:

- High flexibility and adhesive strength
- Extremely easy to apply
- White paint
- For absorbent and non-absorbent surfaces
- Indoor and outdoor use

Product classification:

C2TE (EN 12004:2007+A1:2012)



## Surface preparation

The base whereon webercol flex is applied must be flat, clean, solid, dry, supported, unfrozen and without parts falling off. Residue of old paint, lime and other substances that reduce adhesion (oil, grease, dust, bituminous coatings, etc.) must first be completely removed and, if necessary, repaired with the appropriate material. After repair and drying, it is mandatory to apply a primer in order to even out the absorbency and improve the bearing capacity of the surface. In case the surfaces deviate from the horizontal/vertical plane by more than 10mm, it is necessary to bring them to the appropriate plane with an adequate material before gluing the tiles.

Concrete substrates, cement screeds and cement- and lime-based mortars must be old min. 28 days with residual moisture  $\leq 1.5\%$ . Gypsum mortars must be completely dry, unsmoothed and primed. Treat concrete, aerated concrete, gypsum-cardboard boards, gypsum-fiber boards, cement screeds, self-leveling compounds, plasters based on gypsum, lime and cement, ceramic tiles and terrazzo with primer weberprim 813 according to the instructions in the primer's technical sheet.

If waterproofing is installed under the tiles, webercol flex is compatible with products from the following categories:

- webetec: D-protect, D-max 2K, D-flex, superflex D2.
- weberdry: PUR Seal (with a sprinkling of quartz sand in the final layer).

## Use and product installation

1. Gradually pour 25 (5) kg of dry powder into 8-8.5 (1.6-1.7) l of pure water with constant mixing with an electric mixer until the compound is completely homogenized. After stirring, leave the webercol crystal tixogel stand for 5-10 minutes and then stir again, whereafter the material is ready for use.

2. Apply the prepared adhesive with a notched steel trowel to the pre-prepared surface and tile. The thickness of the coating depends on the flatness of the surface and the format of the tiles, and the maximum thickness of the adhesive after gluing the tiles may be 10 mm.
3. It is intended for gluing all types of ceramic tiles (ceramic, gres, granite, mosaic, stone) of small, medium and large formats with an edge length of up to 100 cm. When gluing, achieve a contact surface of the adhesive and the surface as well as the adhesive and the tile of at least 95%, in order to achieve a permanent bond between the surface and the tile.
4. The time period from applying the adhesive to the surface and tile to installing the tile must not exceed 30 minutes in optimum conditions. If the tile is not glued within the specified interval, and a surface crust is formed, remove the adhesive and replace it with fresh.
5. The mixed material should be used within 120 minutes, in case of crust formation on the surface of the material in the bucket, stir it again. The tiles are impassable for at least 24 hours after they are placed, in order to achieve good adhesion.
6. After gluing the tiles, perform grouting at the earliest after 24 hours for wall surfaces and 36 hours for floor surfaces, using the flexible polymer-cement joint compound webercolor comfort or webercolor premium. For surfaces with increased requirements, use the epoxy grout weberpox easy. Full static loading is possible after 7 days, and dynamic loading after 28 days.

\*All stated parameters refer to standard weather conditions: temperature 20°C, relative humidity up to 65%.

7. During installation and drying of the adhesive the temperature of the surface and air must be between 5°C and 30°C. If the weather conditions are not in accordance with the prescribed, it is necessary to

suspend the work procedure and wait for the appropriate conditions to be obtained. After installation, protect the adhesive from adverse weather conditions for at least 48 hours. Sušenje lepka može trajati duže ili kraće, u zavisnosti od temperature, vlažnosti, debljine nanosa i slično. The drying of the adhesive may take longer or shorter, depending on the temperature, humidity, thickness of the layer. etc.

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 the completion of execution of shall not be accepted.

### Tools

For mixing: electric mixer or manually.  
For application: steel jagged trowel

### Product consumption

About 2-5 kg/m<sup>2</sup> depending on the width of the teeth on the trowel, the conditions whereunder the gluing is carried out, the size of the tiles and the characteristics of the surface where the tiles are glued.

### Keeping, storage and transport

Product webercol crystal tixogel must be stored in original, undamaged packaging, on solid and functional pallets, in dry space, without direct exposure to snow, rain, hail and sun, protected from frost, in closed or covered space.

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, white, 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: webercol crystal tixogel is a white adhesive.

Open work time: about 30 minutes, depending on the weather conditions, the thickness of the adhesive layer and the surface level.

Packaging: sodium sack 25 kg, 1200 kg on the pallet.

Expiration date: 12 months from the manufacturing date printed on the sack, stored on pallets in a dry area without direct exposure to weather conditions and moisture. Protect from freezing.

Detailed information on product, additional documentation and safety data sheet are available on the official webpage [www.rs.weber](http://www.rs.weber).

### Cleaning

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

### Product limitations

webercol crystal tixogel ceramic adhesive must not be used in the following situations:

- With wooden and metal surfaces.
- For execution of layers with thickness of over 10 mm.
- With insufficiently supported surfaces.
- At temperatures during execution lower than +5°C and higher than +30°C.
- With surfaces containing impurities and moisture.

### Environment

Unused product and empty packaging may not be disposed outside of waste management locations. See safety data sheet of the product for more information.

### 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: 011 314 96 81.



**SAINT-GOBAIN GRAĐEVINSKI  
PROIZVODI D.O.O. BEOGRAD**  
115d Bulevar Mihajla Pupina Street,  
V floor 11070 • Novi Beograd • Serbia  
Tel.: + 381 11 314 96 84  
[info.rs@saint-gobain.com](mailto:info.rs@saint-gobain.com)  
[www.saint-gobain.rs](http://www.saint-gobain.rs)

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](http://www.saint-gobain.rs).