

# topocola<sup>®</sup>

## flex record



### TECHNICAL DATA SHEET

TOPECA, Lda  
Rua D. Nuno Álvares Pereira, 53  
2490-II4 Cercal – Ourém  
PORTUGAL

Tel.: 00 351 – 249 580 070  
Fax.: 00 351 – 249 580 079

**TOPECA**  
FÁBRICA DE PRODUTOS PARA CONSTRUÇÃO

[geral@topeca.pt](mailto:geral@topeca.pt)  
[www.topeca.pt](http://www.topeca.pt)

topcola  
flex record

bonding and grouting

2 component high performance adhesive cement



## use

Fixing ceramic tiles of large formats and low porosity (stoneware and porcelain tiles), natural stone (marble, granite and limestone), provided they are not subjected to very abrupt thermal expansion, walls and interior and exterior floors.

The Topcola Flex Record allows glue natural stone (marble, granite and limestone) and ceramic tiles with water absorption > 0.5% in facades, with maximum dimensions of 3600 cm<sup>2</sup> and thicknesses up to 2 cm.

Suitable for application parts in ceramic stoneware low thickness, indoors and outdoors.

Collage of ceramic pieces on ETIC'S system with maximum weight 40 kg/m<sup>2</sup>.

Cement glue bi-component glue and promotes moisture resistance, minimizing the formation of scale, efflorescence and salitres.

Collage of ceramics and natural stone surfaces with heating systems (radiant floor).

It is ideal for bonding tiles on substrates waterproofed with cementitious products or acrylics: terraces, balconies, swimming pools, tanks, basements, elevator box, bathrooms, laundries, kitchens, etc.

## surface

- Concrete, Mortar, old ceramics, Self-levelling, screed, Painted surfaces, floor heating, Smoothed concrete, Wood (after application of Toprim).



- Concrete, Mortar, high resistance, self-levelling, screed, old ceramics .



- water repellent (or non-repellent) plaster board, plaster, Wood (after application of Toprim); old ceramics, Painted surfaces .



- Concrete, plaster;
- ETICS



- Concrete, plaster, mortar waterproofing cementitious or acrylics.



## CE marking

C2TES2

European standards  
EN 12004:2007+A1:2012



# topcola flex record

2 component high performance adhesive cement

bonding and grouting

## recommendations

Mix all of component A in B. Do not add other products.  
 Small adjustments can be made to the consistency of the final product by adding or removing liquid component.  
 In the fixing of natural stones with clear color, use Topcola Flex Record white.  
 With large surfaces, expansion joints should be used and tiles should be fitted in such a way to protect them against expansion and contraction.  
 Do not use on frozen surfaces or on surfaces when there is a risk of freezing in the next 24 hours. Do not use on hot surfaces.  
 Hot surfaces should be first moistened and application should only take place after all of the water has evaporated.  
 Wash the tools / utensils with water.  
 With cracked surfaces first apply a layer of Topcola Flex Record waterproofing incorporating 4 x 4 mm fibre glass webbing.  
 When using on ceramics, the drying time is slower.  
 Use pins on tiles which are greater than 60 x 60 x 2 cm in size.  
 Protect the upper part of coverings with cornices.  
 An excessively hot and windy environment will reduce the working time. To overcome this problem, surfaces can be protected with cloths or similar shade.  
 To paste and prevent entry of water into the glue should be applied plan a 1st layer of glue, with a smooth metal spatula, to obtain a uniform continuous layer, let harden. And then apply a 2nd layer to gear to glue the pieces.  
 Always observe the structural joints / expansion.  
 It is essential to make the joints between the ceramic tiles. The width of these depend on the nature of the ceramic pieces to apply (check with the manufacturer of ceramic).  
 Fill the joints with a grouting product Juntaemcor range, suitable for use.  
 Wait about 14 days after completion of the work, before turning on heating systems embedded in the floors.  
 Wait at least 21 days before filling tanks and swimming pools.

## composition and characteristics

### Composition:

Component A: Cement, silica compounds and specific additives.  
 Component B: Aqueous resin and specific additives.

### Characteristics:

Working time of paste: 3 hours.  
 Waiting time before application of filler: 24 hours.  
 Waiting time before paving can be used: 24-48 hours.  
 Application temperature: +5° C to +30° C.  
 Open time: 30 minutes  
 Slip: ≤0.5mm  
 Initial tensile adhesion strength: ≥1N/mm<sup>2</sup>  
 Tensile adhesion strength after heat ageing: ≥1N/mm<sup>2</sup>  
 Tensile adhesion strength after water immersion: ≥1N/mm<sup>2</sup>  
 Tensile adhesion strength after freeze-thaw cycles: ≥1N/mm<sup>2</sup>.

Note: These results were obtained in our laboratory according to the specifications of the standard NP EN 12004, under standard conditions may vary with the reduction or increase of temperature and the type of support.

## colour

Grey or White

## consumption

Single bonding: 3,5 to 6 Kg/m<sup>2</sup>.  
 Double bonding: 6 to 7 Kg/m<sup>2</sup>.

## available in

Component A – sacks 20 Kg. Pallet with 60 sacks.  
 Component B –5,25 Kg bucket.

## storage

1 year from date of manufacture in closed package.  
 Component A store away from damp.  
 Component B store away from direct sunlight and frost.



# topcola flex record

2 component high performance adhesive cement

bonding and grouting

## preparation of surface

The surface must be solid, resistant, dry, clean and flat.

Wood must first be prepared with Toprim. Over support little resistance, apply Toporo.

Respect of the primary drying time.

In surface painted must always check the degree of adhesion and strength of the ink, using for example the use of a spatula. It is always advisable to take this little test, to ensure that the paint is well adhered to the substrate, preventing take-offs later.

On painted surfaces or surfaces which have a fine covering, roughen approximately 30% of area first and remove the dust created. Rectify defects or imperfections of support, 48 hours in advance.



## application

Pour the resin (component B) and then the powder (component A), mix both components with an electric mixer until an even lump free paste is obtained.



On vertical surfaces (façades), in cases where you wish to bond tiles and ensure full waterproofing, apply a 1st layer (as waterproofing) with a flat trowel and allow to harden. Apply a 2nd layer (as adhesive) with a saw edge trowel with teeth suitable for the format of the tile.



On horizontal surfaces such as balconies, verandas or paving in direct contact with the ground, apply a 1st layer of waterproofing using Topelastic. Allow to dry for 24 hours and on the following day apply a 2nd layer of Topcola Flex Record (as adhesive) with a saw edge trowel, with teeth suitable for the format of the tile.



When fixing large tiles (pieces  $\geq 30 \times 30$  cm) or high weight ( $\geq 40$  kg/ m<sup>2</sup>) on façades, it is advisable to use a double layer of adhesive.

Before bonding check whether a film has formed. In order to do so, check to see if the adhesive is still sticky to the touch. Should a film have already formed, rough the surface to break the film and apply a fine layer of adhesive to the back of the ceramic tiles.



Press and tap tiles to free any trapped air and ensure complete bonding takes place.

Eliminating waste Topcola Flex Record, with the aid of a damp sponge, immediately after application.



Periodically check the stickiness of the glue up a little piece.

Dispose of waste Topcola Flex Record on the parts with the aid of a wet sponge after application.

