



TECHNICAL DATA SHEET

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topcola

epoxy

bonding and grouting

bonding and grouting of ceramic coverings bi-component (A+B)



use

For creating joints on ceramic coverings which are resistant to chemical products.

Due to its mechanical and chemical resistance it is ideal for laboratories, bakery, dye works, drinks manufacturers, dairies, operating theatres in hospitals, kitchens, swimming pools (including spa and seawater pools), waste water treatment plants, bathrooms, garages, slaughter houses, wine cellars.

Resistant to heavy traffic and high pressure washing.

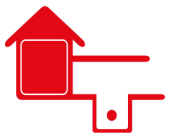
Indoor application.

surface

- Concrete, Render, Screed mortar, Metal, Painted surfaces, wood, old ceramic coverings (bonding and grouting of small pieces), (others contact us).



- Concrete, render, Polyester, mortar of waterproofing, old ceramic coverings (bonding and grouting of small pieces),



CE marking

R2T

European standards
NP EN 12004

RG

European standards
NP EN 13888



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recommendations

Do not apply to surfaces which are subject to direct UV rays.

Ceramics bonded with Topcola Epoxy must be grouted with the same product.

Make sure there is good ventilation before using.

During the application of Topcola Epoxy it is advisable to use gloves and protection for the eyes.

Follow the precautions for use.

Remove the excess Topcola Epoxy as their use. Once dried Topcola Epoxy can not remove.

Apply Epoxy Topcola into small parts and clean the ceramic pieces, preferably with warm water, as it will applying Topcola Epoxy.

Adequately protect the ceramic sensitive stains (limestone mosaic polished, ...) before grouting with the Itop that will create a non-absorbent surface zone, which prevents parts absorb pigments and facilitates the cleaning.

The temperature should be above 10 ° C during the hardening of Topcola Epoxy.

Do not apply on frozen supports under direct sunlight on hot supports or rain.

It is essential to make joints between the ceramic.

Mix all of component A and B. An Incomplete mixing will affect the final characteristics of the product.

Leave harden the Topcola epoxy used in the ceramic pieces, before filling the joints.

Cleaning of tools / utensils should be done immediately with warm water.

After grouting the joints of the pool, you should wait at least 7 days before filling with water.

composition and characteristics

Composition:

Epoxy resin, hardener and silica compound.

Characteristics:

Pot-life: 2 - 3 horas.

Time of adjustability: 1 hora.

Grouting time: 24 horas.

Bulk density: 2,8 Kg /cm².

Slip: ≤0.5mm

Set / curing time: 7 dias

Compressive strength: 90.0 N/mm²

Flexural strength: 8.0 N/mm²

Initial shear adhesion strength: ≥ 2 N/mm²

Sear adhesion atrength after water immersion: ≥ 2N/mm²

Shear adhesion atrength after thermal shock: > 2N/mm²

Note: These results were obtained in our laboratory according to the specifications of the NP EN 12 004 and NP EN 13 888, under standard conditions may vary with the reduction or increase of temperature and the type of support.

colour

White, Dark Grey.

consumption

Bonding: 2 to 4Kg/m².

Grouting: from 0,3 to 1Kg/m².

Mosaic sheet (bonding and grouting)
= 2 a 3 Kg/m².

available in

Component A - Bucket 4,5 Kg

Componet B – Bucket 500gr

storage

1 year from date of manufacture in a sealed packet stored in a frost and heat free environment.



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preparation of surface

For bonding:

All surfaces must be rigid, dry, clean and sound.

For grouting:

The tile adhesive must be fully dry/cured. Joints must be clean and dry.

Ensure that no loose debris, cement or adhesive residue remains.



application - bonding

First stir component A, giving it a smooth texture.

Mix all of both components mechanically with a slow electric mixer until a smooth lump-free paste is obtained.

With temperatures less than 18°C it is advisable to store Topcola Epoxy in a warm location as it will be more fluid thus facilitating mixing and application.

Spread Topcola Epoxy with a serrated trowel. Tap on pieces to ensure full transfer of the paste. Drying time for bonding is 4 days at 20°C.



application - grouting

For small areas apply manually with a hard grouting trowel.

Apply diagonally to joints so as to ensure full filling of joints. With larger areas apply using a pneumatic pistol.

Smooth out joints and remove any excess of Topcola Epoxy with a hard grouting trowel.

Wash with clean warm water as you apply.

After grouting, can be walked on after 8 hours. Width of joints can be from 3 to 10mm.



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bonding and grouting

advantages

- Excellent adhesion even on damp surfaces.
- Resists chemically aggressive conditions.
- Product waterproof.
- High mechanical strength.
- Consistency easy to work.

colours



White



Dark Grey