



TILES INSTALLATION

 **EUROSURFACES**
C H E M I C A L S Y S T E M



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Consists of chemical products selected, tested and manufactured to provide excellent performance especially for RMC and engineered quartz products. Developed and guaranteed by Eurosurfaces, manufactured in Czech Republic.


BASE PREPARATION

- Penetration primer
- Contact bridge
- Waterproofing products

INSTALLATION

- Adhesives
- Grouts

MAINTENANCE

- Impregnation
 - Cleaning agent
- 



BASE PREPARATION

Base characteristics:

- Concrete screed with a maximum residual moisture 4,5%
- Anhydrite screed, dry and roughened, with a residual moisture 0,5 % and in case of floor heating 0,3 %

For base preparation use products form Eurosurfaces Chemical System:

- PENETRATION PRIMER | P1 – absorbent base
- CONTACT BRIDGE | CB1 – non-absorbent base (e.g. old stone tiles, metal base)
- WATERPROOFING | WP1 – not permanent contact with water (bathroom)
- WATERPROOFING | WP2 – permanent contact with water (showers, pools, terraces)
- SEALING TAPE | WP3

BASE PREPARATION

penetration

- Before a priming of the base with PENETRATION PRIMER | P1, it is necessary to clean it properly (a priming is used to unify the absorbency of the base and a subsequent maturation of an adhesive during installation)
- Penetration primer is applied with a roller or a brush in 1:5 ratio (concentrate : water), usage 0,10 L / sqm



contact bridge

- In case of a non-absorbent base (e.g. existing tiles from engineered marble or quartz, glass, ceramics, metal), use a contact bridge instead of penetration primer.
- A coating with CONTACT BRIDGE | CB1 generates a strong bonding between a non-absorbent substrate and applied adhesive.
- It is suitable for both internal and external environments.
- Usage 0,25 kg / sqm

waterproofing

In wet areas (bathrooms, wellness, pools, terraces, balconies), it is necessary to treat the base with waterproofing

- For bathrooms and areas where isolation is NOT permanently in contact with water
 - Use liquid WATERPROOFING | WP1 in 24 kg package – direct application (1,20 kg / sqm / 2 layers) – 2 layers are recommended
- For areas permanently in contact with water (wellness, public bathrooms, terraces, balconies, pools, showers)
 - Use WATERPROOFING | WP2 in 20kg package, which has to be mixed with water (1,5 kg/1 sqm/1 layer in 1 mm) – 2 or 3 layers are recommended
- For waterproofing of construction dilatation and into contacts wall x wall and wall x floor
 - Use elastic **SEALING TAPE | WP3** (see following photo instructions, how to use)

BASE PREPARATION

waterproofing / WP1

Liquid WATERPROOFING | WP1 should be applied in two layers with a roller or a trowel onto the base.



BASE PREPARATION

waterproofing / WP2

WATERPROOFING | WP2 should be applied only with trowel and also in 2 layers (for pools 3 layers).



waterproofing / sealing tape

Application of
sealing tape into
liquid
waterproofing.



BASE PREPARATION

measurement

Measure a laying properly (pattern drawing) and respect fully a construction dilatation in the base.





INSTALLATION

For installation, we recommend to use following products from Eurosurfaces Chemical System:

- ADHESIVE | A1 – available in grey and white
- GROUT | G1 – flexible and highly water resistant



INSTALLATION

adhesive mixing

Use ADHESIVE | A1 in grey or white:

- Grey – granularity 0 – 0,7 mm
- White – granularity 0 – 0,4 mm



Mix adhesive into the right consistency

- Follow instructions on packaging regarding volume of water
- Use a slow speed rotation for mixing adhesive and keep pause 5 minutes before application

adhesive application

DOUBLE COATING

- To achieve the best performance of installed RMC engineered marble or Technistone engineered quartz tiles, it is required to use double coating.
- Kindly consider this process as the only correct option for tiles installation.



adhesive application

Adhesive application **on the base**

- Use a trowel with a size of tooth 10x10 mm



adhesive application

Adhesive application **onto the back of the tile**

Gluing tiles using BUTTERING – FLOATING method

- An adhesive application with flat side of trowel onto tiles (during gluing it achieves maximal contact between a tile and a base)



INSTALLATION

tiles laying

- Press or tap tiles and balance them with surroundings, joints are recommended to be in width of 2 - 4 mm and depth of 3 mm.
- Tap on each tile using a rubber hammer to help adhesive to be spread evenly on a back side of tile.



INSTALLATION

tiles laying

Any adhesive excess must be immediately removed with a damp cloth or a sponge

- Remove both in the joints and on the sides of the tiles
- Joints have to be clean and to have a space for grout

Tiles are walkable in 24 hours. Full load in 7 days.



INSTALLATION

grouting

- After maturation of the adhesive (3 - 4 days, depending on temperature and relative humidity), joints can be filled with grout in selected colour.
- Follow instructions for mixing GROUT | G1 with water – 1 kg : 0,22-0,26 L of water



INSTALLATION

grouting

- After letting the grout slightly dry, start to wash the excesses with sponge.
- The ground is fully dried in 7 days.



dilatation

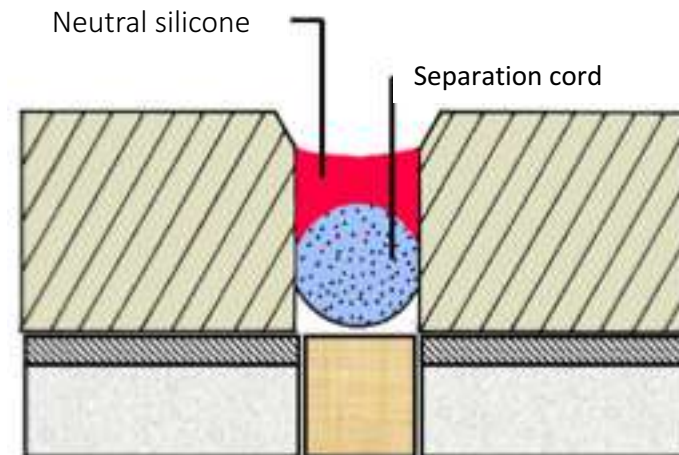
During a laying of big-format tiles, it is important to follow instructions for dilatation joints

- Construction dilatation in base must be always followed.



dilatation

- It is necessary to keep intermediate dilatations between tiles.
- Do that with flexible silicone sealant or by insertion of dilatation stripe - it is necessary to use material with **neutral pH**.
- The optimum size of the dilatation field is recommended to be 3x3 m.
- Clean a joint from the adhesive – use only neutral cleaning products.
- Perimeter dilatation should be done around the room, contacts between floor x wall and wall x wall.



dilatation

- Clean dilatation joint from the adhesive.
- Insert separation cord – it assures a right function of dilatation and prevent tearing of silicone.
- We recommend to cover both sides of joint with cover tape – to make easier an application of silicone.



dilatation

- Fill joint with silicon and shape it with spatula.
- Final smoothing of silicone is done by water and a tool in required shape.





MAINTENANCE

For maintenance, we recommend to use following products from Eurosurfaces Chemical System:

- IMPREGNATION | IM1
- CLEANING AGENT | CA1

impregnation

- After thorough cleaning of dirt after laying, we recommend to treat the surface with impregnation IMPREGNATION | IM1
 - It provides easier cleaning of tiles without any change of surface shade.
 - It makes much easier also a removing of graffiti or dirt on facades.
- We recommend to impregnate surface on regular base:
 - Public areas – once a year
 - Private spaces – once per 5 – 10 years
 - Façades – once per 10 years or more





MAINTENANCE

cleaning

It is important to do regular maintenance of the laid tiles

- For general cleaning, use CLEANING AGENT | CA1 in concentration of 40 ml with 10 L of water
- It is possible to use it also for machine cleaning
- It doesn't remove an applied impregnation

Only neutral cleaning products are recommended.

- As with natural stone floorings, abrasive, acids or products containing soluble salts like sulphate or chloride should not be used for maintenance.

re-polishing



Re-polishable

- In case of damage (or gloss loss) of the surface of floor tiles it is possible to renew the surface by re-polishing or redoing honed.
- The gloss of the surface is returned to new.
- This operation can be carried out only by experienced, specialized companies with appropriate equipment. It is always necessary to test the renewal first, possibly on a small, unexposed area.
- The method used is the same carried out on natural marble using displaceable polishing machines.



ADDITIONAL IMPORTANT INFORMATION



BEST PRACTICES

To achieve the best performance we recommend following:

- If the area of tile is **bigger than 0,7 sqm**, a tile should be in **thickness of 20 mm or more**.
- **In case of bush hammered and satin surface** on references with big stones (RMC Original collection), tiles should be in **thickness of 20 mm or more**.
- Tiles onto external and internal walls from height **2,4 m** should be **fixed mechanically**, not chemically.
- **Black colours**, especially polished surface, **aren't generally suitable for flooring**; it is better to install honed or aged surface.
- For references suitable for external application, kindly contact our sales representative.

RECOMMENDED TOOLS FOR INSTALLATION

Square-notch trowel

- The most commonly used
- In sizes of 10x10 or 8x8 mm



K-notch trowel , height 10 mm

- Nicked named “Velcro”
- A perfect adhesion to the back of the tile



Sponge trowel



Spatula

Etc.



KINDLY CONTACT US FOR MORE INFORMATION

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