

A hand wearing a white work glove is shown in the process of installing tiles. The hand is positioned over a black tile, which is being laid next to a white tile. The background shows a partially completed floor with a black and white diamond pattern. The text "TILES INSTALLATION" is overlaid in a white, sans-serif font.

TILES INSTALLATION

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 (terraces, balconies, pools)
 - 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

Before and during installation, **don't forget to compare shades of received tiles** to achieve the best look of final result.

Please respect **the shade code** on the tiles packaging and always compare shades of adjoining tiles during installation.



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

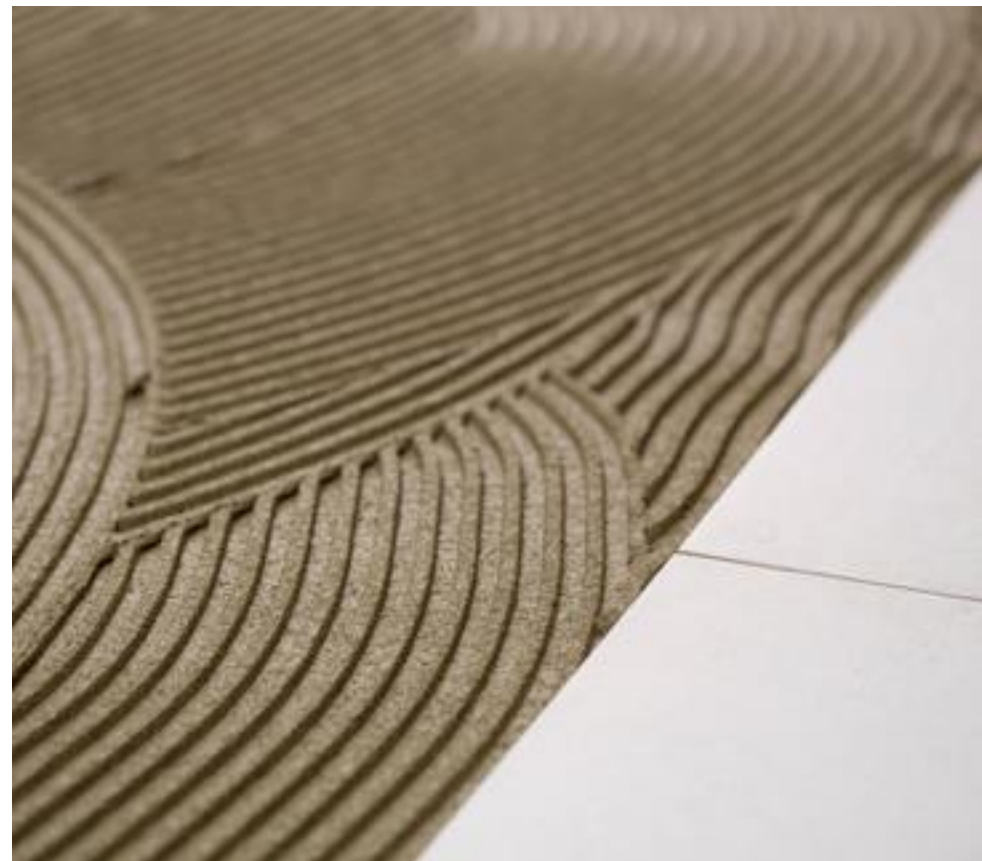
- To achieve the best performance of installed RMC engineered marble or Technistone engineered quartz tiles, it is required to use double coating.
- Kindly consider this process as the only correct option for tiles installation.



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

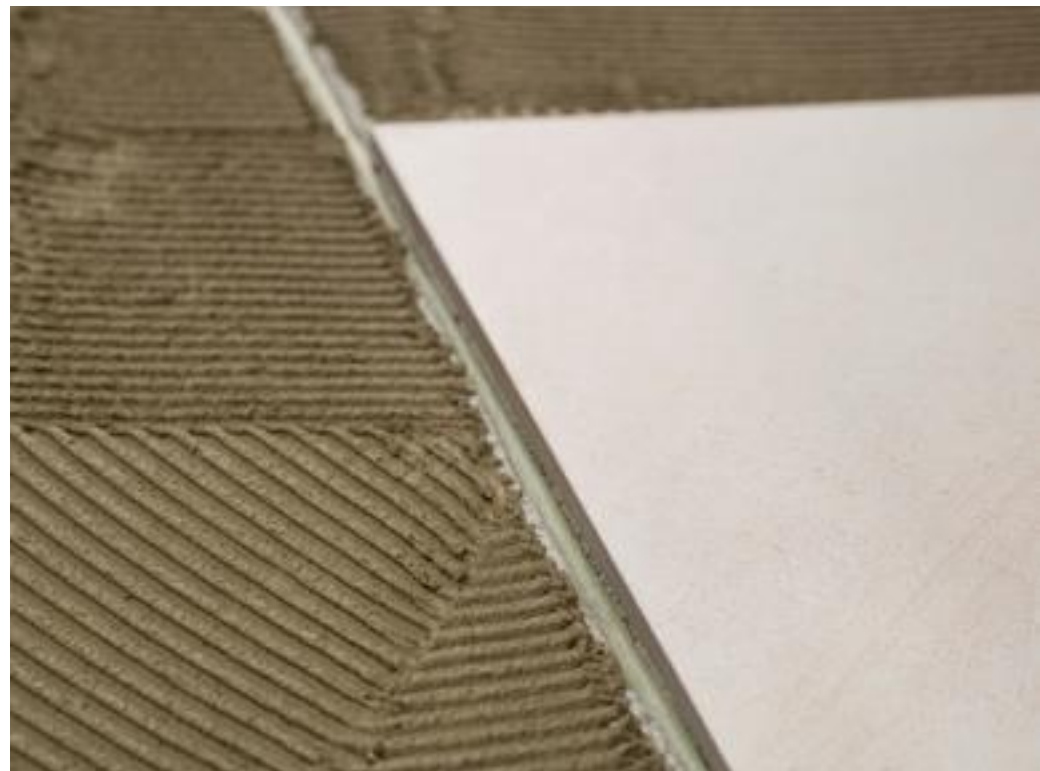
- After letting the grout slightly dry, start to wash the excesses with sponge.
- The ground is fully dried in 7 days.



dilatation

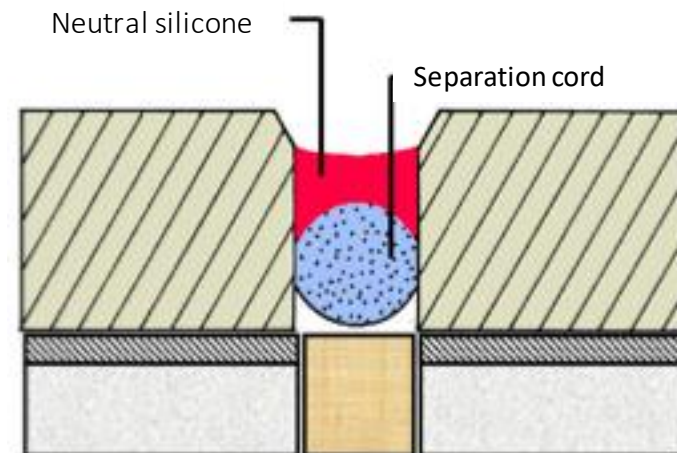
During a laying of big-format tiles, it is important to follow instructions for dilatation joints

- 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.





INSTALLATION

dilatation

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





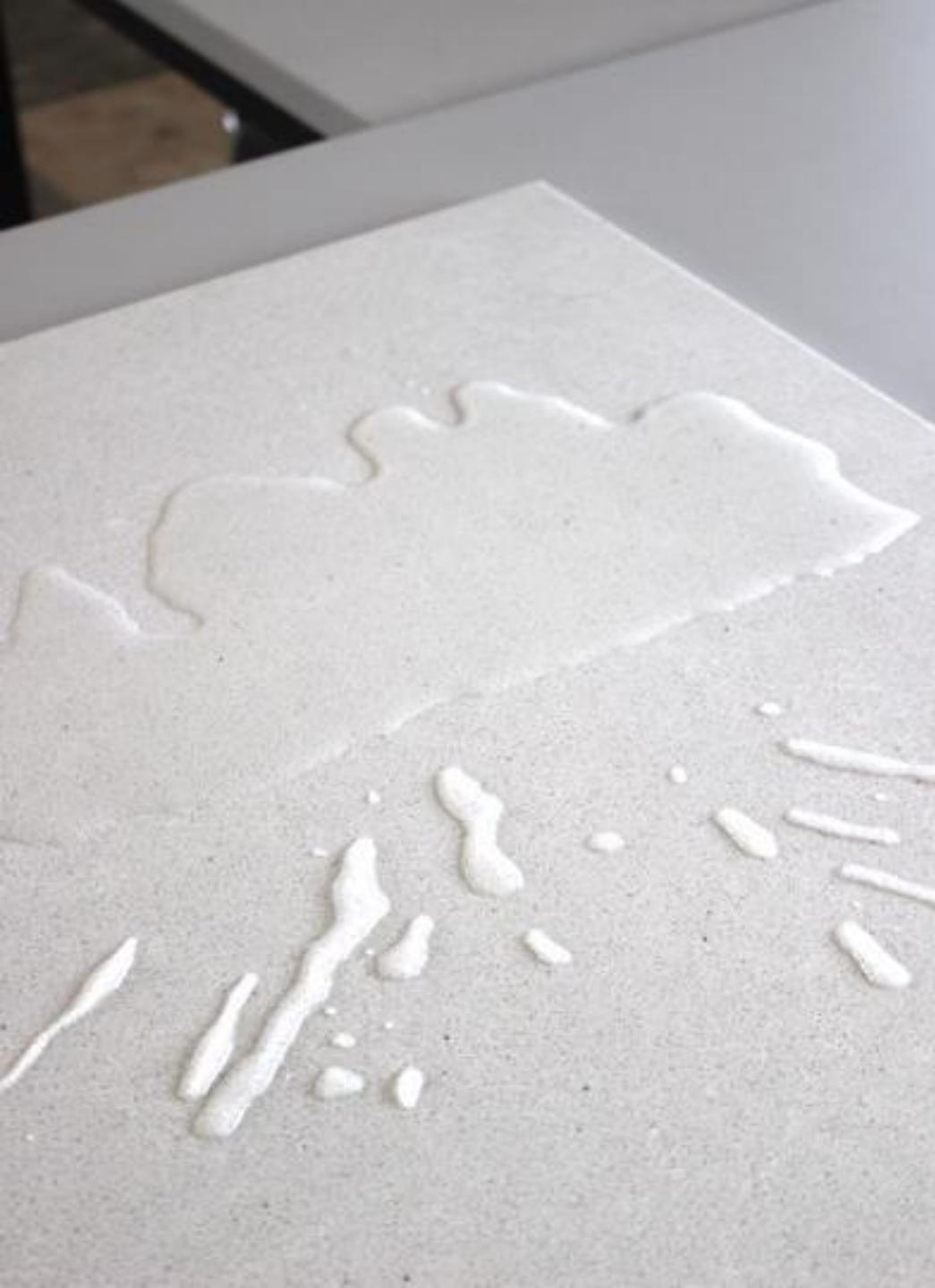
MAINTENANCE

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



cleaning

It is important to do regular maintenance of the laid tiles

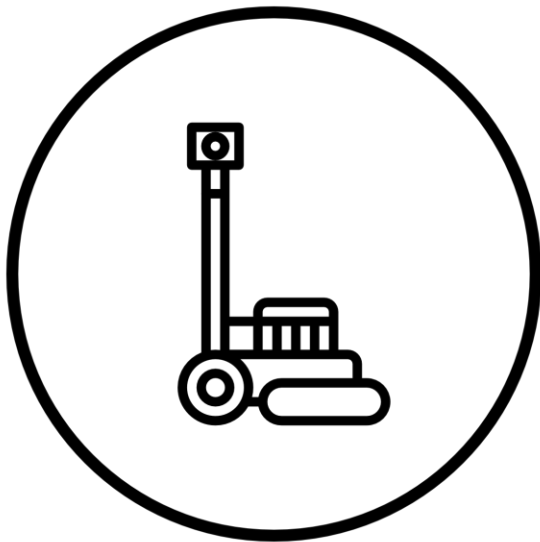
- For general cleaning, use CLEANING AGENT | CA1 in concentration of 40 ml with 10 L of water
- It is possible to use it also for machine cleaning
- It doesn't remove an applied impregnation

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



- 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

RMC Surfaces, S.A.
Rua Correia da Coutinha, Nr. 1
3770-218, Oliveira Do Bairro, Portugal

+351 234 740 400
info@rmc.pt

