

# butech anti-cracking mat



Uncoupling sheet for floors subjected to low and medium level movements.

It reduces the transmission of stresses produced by lateral movements from the substrate to the flooring.

## Recommended use

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- It reduces the transmission of stresses and strains between the substrate and the flooring
- It protects the flooring against cracking in the substrate or lateral movements between the plates that make up the substrate
- It allows for the installation of ceramic tile or natural stone flooring on substrates and structures with medium and low level movements, such as wood boards

## Applications

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- Indoor flooring.
- Residential and public flooring with pedestrian traffic
- Commercial or industrial-use flooring with mechanical requirements, even with vehicular traffic
- Flooring with built-in heating
- Suitable for flooring renovation works
- The use of butech anti-cracking mat is not recommended in:
  - Walls.
  - Substrates subjected to bending movements
  - On structural joints or substrate movement joints.

## Flooring types

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- Stoneware and porcelain tile floorings, even large formats.
- Natural stone and marble, even large formats.
- The use of butech anti-cracking mat is not recommended:
  - Floors with chemical resistance.
  - Under parquet flooring

## Characteristics

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- Closed-cell elastomer sheet, coated on both sides with non-woven fibers that allow for the bonding of cement-based adhesives.
- It allows for direct laying of ceramic tiles with C2 type cement-based adhesive as per EN 12004.
- Color: White
- Roll measurements: 1,5 m<sup>2</sup>: 150 x 100 cm
- Roll weight: 12.35 kg/roll
- Sheet thickness: 1.5 mm
- Sheet density: 525 gr/m<sup>2</sup>

## Instructions for use

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### Preparing the substrate

The substrate or installation base shall be capable of bearing the flooring and the service load. The installation surface shall have the following characteristics:

- Residual humidity under 3%.
- Clean from dust, grease, or any other substance that may compromise the bonding material adherence.
- Compact and free of cracks, fully set.
- Smooth laying surface, free of any element that could tear or puncture the waterproofing sheet.
- Level and flat, deviations under 3 mm every 2 m of surface.

In the case that any of the defects listed above are present, they must be fully corrected before starting to lay the ceramic.

The substrate shall have the right thickness to achieve the required level for the final floor.

## Installing the butech anti-cracking mat

The **butech anti-cracking mat** sheet shall cover the entire substrate on which the flooring is installed without overlapping or gaps between adjacent sheets.

The steps to carry out for the correct installation of the **butech anti-cracking mat** are the following:

- Unroll and cut the sheet according to the measurements of the surface to protect without overlapping or leaving gaps between adjacent sheets. Roll back the sheet
- Choose a C2 type adhesive as per EN 12004, suitable for the substrate and the chosen flooring. Prepare according to the manufacturer's instructions, and apply in a thin layer with a 4 x 4 mm notched trowel. Distribute the adhesive grooves uniformly and perpendicular to the shorter side of the sheet.
- Before installing the sheet, clean any element that may interfere with the bonding of the adhesive, check the wetting capability of the adhesive, and unroll the sheet on the fresh adhesive so that the labeling is facing up.
- Press with the smooth side of the trowel or a rubber trowel to achieve full contact between the sheet and the adhesive. We recommend applying the trowel parallel to the adhesive grooves to avoid the formation of air pockets.
- When more than one roll is needed to cover the substrate, use adjacent sheets flush against each other and without a joint between them. Avoid overlapping and clean excess adhesive material that may overflow through the joints.
- In the following cases, cut the **butech anti-cracking mat** sheet and do not cover with the flooring:
  - Contact lines between different types of substrate.
  - Movement joints on the substrate.
  - Structural joints

Once the covering of the substrate is completed, if we have used a quick-setting adhesive we can immediately proceed with the installation of the final flooring.

## Installing the flooring on the butech anti-cracking mat sheet

Install the final flooring as per current regulations and the manufacturers' instructions for the adhesive and the chosen tile model. In any case, we recommend taking into account the following aspects:

- Do not install on the butech anti-cracking mat sheet when the temperature is below 5 °C or higher than 35 °C.
- Check that the adhesive material is not overflowing at the joints between sheets
- The only recommended laying technique is laying on a thin layer with an adhesive that is compatible with the selected flooring type. As a general rule, do not apply adhesive in a layer thicker than 6 mm
- Follow all instructions for preparing and applying the adhesive scrupulously.
- While installing the flooring, check that the sheet does not detach from the substrate it is on.
- The layout, width, and construction details of the perimeter and intermediate movement joints, as well as the materials to be used, shall be included in the ceramic tile laying design; carry out the design as per current standards.
- If in doubt about any aspect related to the installation of the butech anti-cracking mat, please check with butech's Technical Department.

## Conservation and Storage

Keep in its original unopened packaging, protect from moisture, store in a properly ventilated place, and at a maximum temperature of 30°C. Shield from direct exposure to sunlight.

## Technical data

| Characteristics    | Testing method   | Unit                 | Value              |
|--------------------|------------------|----------------------|--------------------|
| Thickness          | UNE EN 1849-2    | mm                   | 1.5                |
| Tensile strength   | UNE EN 12311-2 A | N/500mm <sup>2</sup> | L > 130<br>T > 100 |
| Elongation         | UNE EN 12311-2 A | %                    | L > 56<br>T > 70   |
| Maximum elongation | UNE EN 12311-2 A | mm                   | L > 154<br>T > 163 |

## References

| SAP       | Product description             | Packaging              | Palletizing       |
|-----------|---------------------------------|------------------------|-------------------|
| 100227223 | <b>butech anti-cracking mat</b> | 15 m <sup>2</sup> roll | 30 rolls / pallet |