

## Examples for installing Blanke•PERMAT



### 1. Apply thinset mortar to the substrate

The type of thinset mortar used to apply Blanke•PERMAT must be appropriate for the substrate in accordance to the manufacturer's recommendations. The mortar must both bond to the substrate and mechanically anchor the fleece on the underside of the Blanke•PERMAT to the substrate. Apply the mortar to the substrate using a 1/4" x 1/4" notched trowel. The direction in which the mortar is combed does not affect the adhesion or function of the Blanke•PERMAT.



### 2. Install Blanke•PERMAT to the substrate

Cut sections from the Blanke•PERMAT to fit the area to be installed. The panels have a glass fiber mesh overhang of approximately 3 cm (1 3/16") on two adjoining sides. This overhang needs to overlap adjacent panels at the seams. Embed the fleece underside of panel into the mortar so that its entire surface is bonded. Use a float, screed trowel, or vinyl roller to press the Blanke•PERMAT into the mortar.



### 3. Set Tile

Immediately after the Blanke•PERMAT is installed, the tiles can be set using the thin-bed method. Use a thinset mortar as recommend for the application by the thinset manufacturer. Use the flatside of a trowel to work the thinset mortar into the voids on the surface of the panel. Immediately apply a layer of mortar to the area using a notched trowel that is appropriate for the tile type and format. Solidly embed the tiles in the setting material, making sure to achieve full coverage.



### 4. Placement of Movement Joints

Blanke•PERMAT does not eliminate the need for movement joints in the tiled surface. Movement joints should be installed where specified and in accordance with industry standards and norms. (We suggest using the Blanke•Heavy Duty Expansion Joints for this purpose). The Blanke•PERMAT must be separated at expansion joints in the substrate but not at control joints. However, movement joints do need to be installed in the tile covering above the mat per industry standards and TCNA guidelines.



### Further information

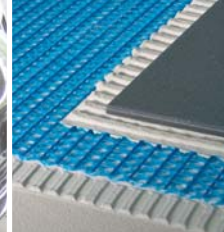
For more information on technical data and installation: [www.blankecorp.com](http://www.blankecorp.com)



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# Blanke•PERMAT

The Ultimate Uncoupling Underlayment for Residential and Commercial Projects



## Blanke•PERMAT Uncoupling Membrane



Blanke•PERMAT provides all the labor-saving benefits of standard plastic roll uncoupling products such as being lightweight, and quick and easy to install – and it offers the same crack isolation protection. Unlike other underlayments, however, the innovative reinforced mesh panel design of Blanke•PERMAT enables it to add support to wood substrates and in doing so, greatly reduces deflection. Blanke•PERMAT actually replaces the need for a second layer of plywood in many installations. In addition, Blanke•PERMAT provides greater compression and tensile strength than traditional plastic roll products.

### Blanke•PERMAT dimensions

- 1 panel: 2' x 3.2' (6.5 sq.ft.)
- 30 panels/carton (195 sq.ft.)
- weight /carton : approximately 31.8 lbs



Residential projects



Commercial projects

## Reinforces wood substrates for residential projects

Having received the highest Robinson Floor Test rating of "heavy industrial," Blanke•PERMAT is approved for installation under tile over a single layer of 3/4" EGP plywood on 24" o.c. joist spacing (some limitations apply).

For stone installations, Blanke•PERMAT stiffens a wood substrate helping to ensure the installation does not exceed the more rigid L/720 deflection standards, without adding a second layer of plywood. (Minimum substrate thickness for stone installations on joists spaced 19.2" o.c. is 3/4").

When installing large format tiles, Blanke•PERMAT provides a flatter plane and stiffer substrate required by these types of tile.

### Quick Reference – Residential Projects

#### Features/benefits compared to standard roll uncoupling products

- Reduces deflection in wood substrates (i.e. 24 o.c. joist spacing)
- Stone installations – Increases substrate support
- Large format tile – provides flatter plane and stiffer substrates
- Only 1/8" thick
- Suitable for tiles 2" x 2" and smaller
- Weighs only 1.06 lbs. per panel (6.5 sq.ft)
- Latex modified thinset recommended for porcelain tile installation

## Superior point load support for commercial projects

Blanke•PERMAT offers superior point load support for the most comprehensive commercial tile installations... up to 95% higher than standard roll uncoupling products! The ideal underlayment for commercial applications such as auto showrooms, all types of retail construction, hospitality and healthcare projects, Blanke•PERMAT is even suitable for tiles smaller than 2" x 2".

For commercial projects, Blanke•PERMAT offers 50% higher compressive strength than standard roll uncoupling products... and 7 x higher shear strength.

Easy to install, Blanke•PERMAT is extremely tolerant of unwelcome traffic prior to the actual tile installation, and is less sensitive to thin-set cure times. Modified thinset (A118.4) is recommended when installing porcelain tile over Blanke•PERMAT.

### Quick Reference – Commercial Projects

#### Features/benefits compared to standard roll uncoupling products

- Crack isolation/uncoupling protection
- Superior point load support
- Suitable for tiles under 2" x 2"
- Higher compression strength
- Higher shear strength
- Easier to install
- Ideal for floors exposed to heavy traffic (auto showrooms, airports, retail, nursing homes, hospitality)