



FUNCTION. DESIGN. QUALITY.

PRODUCT DATA SHEET

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Blanke•PERMAT

Blanke•PERMAT is an innovative uncoupling and erlayment that adds support to wood substrates thereby reducing deflection and provides superior compression and tensile strength when compared to plastic roll and cement board products. Installed with thinset mortar, the Blanke•PERMAT panels feature a mesh overhang to connect adjacent panels thereby eliminating seams that can transmit substrate movement stress to the tiled surface. Tile can be applied immediately after installing the Blanke•PERMAT.

Properties:

- Strenghtens wood substrates thereby reducing deflection
- Superior compressive strength.
- Superior tensile strength.
- Crack isolation properties (uncoupling)
- Superior resistance to delamination during installation.
- No extended cure time for latex modified thinset mortars under porcelain tile.
- Lightweight; easy to install
- Self-seaming panels prevent substrate movement stress form transmitting to tiled surface.

Typical Applications:

Blanke•PERMAT is an ideal alternative to backerboard underlayment used in interior residential applications over wood substrates where excess deflection may be an issue and in commercial applications on concrete where stress cracks can be a problem. Blanke•PERMAT is ideally suited for new home construction where demanding installation schedules cause traffic to cross on the underlayment prior to tile installation and where speed of installation is a primary consideration.

Installation:

Substrate must be clean, dry, flat and load bearing. Trowel a more liquid than normal mix of thinset mortar onto substrate. Lay the Blanke•PERMAT panels in a row so that the mesh overhang on the two sides of a panel cover the seams of the sides of adjacent panels without the overhang. Subsequent rows of panels should be placed so that the seams running perpendicular to the previous row are offset a minimum of 3" from the seams running in the same direction in the previous row. Use the flat side of a trowel or a vinyl roller to press the panel into the thinset ensuring that the fabric on the underside of the panel achieves full contact with the thinset and that there are no air bubbles. Use the flat side of the

trowel to key thinset into the voids on top of the Blanke•PERMAT. Set tile using a notch trowel appropriate for the type of tile and traffic. (Read Blanke•PERMAT Installation Instruction prior to installing this product). Movement joints are required in the tile surface per industry standards.

Suitable Substrates:

Wood substrates – stone and tile (including large format)

Plywood EGP and OSB

16" o.c. joist spacing, minimum subfloor

thickness: 5/8"

19.2" o.c. joist spacing, minimum subfloor

thickness: 3/4"

Wood substrates – tile only (no larger than 16"x16")

24" o.c. joist spacing, minimum subfloor

thickness: 3/4"

(subject to maximum joist span restrictions)

Concrete substrates

Substrates covered with stone, tile and vinyl

(consult thinset manufacturer instructions)

Floor heating systems

(consult Blanke installation instructions)

Technical data:

Top Mesh:

Extruded twisted strands of highly alkali resistant glass fiber heat welded to the lower layer of HDPE mesh.

Bottom Mesh:

Extruded twisted strands of alkali resistant high-density polyethylene (HDPE).

Fabric material:

Polypropylene fleece

Thickness:

approx. 3.3 mm (nominal 1/8 inch)

Weight:

approx. 0.8 kg/m² (approx. 2.6 ounces/sq. ft): 1.06 lbs. per

panel: 31.8 lbs. per carton

Packing:

Panel: 2' x 3.2' (6.5 sq. ft.)

Carton: 30 panels (195 sq. ft.)

Pallet: 15 cartons (2,925 sq. ft.)

Color:

Fabric: white

HDPE Mesh: light-blue

Top Mesh: dark blue