



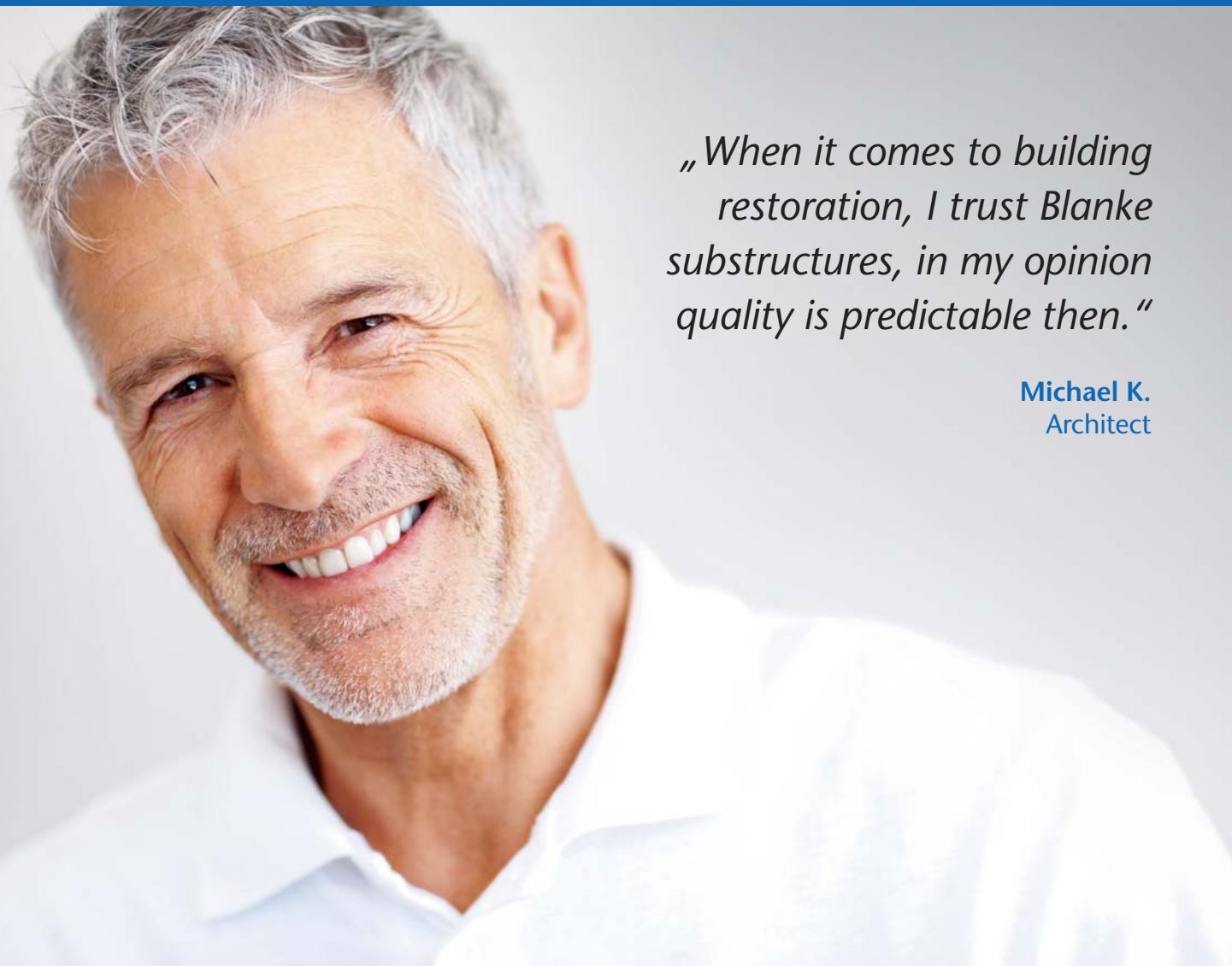
KOMPETENZ ERLEBEN



BLANKE FLOOR SYSTEMS

Innovative solutions from the ground up

passion for
tiles



„When it comes to building restoration, I trust Blanke substructures, in my opinion quality is predictable then.“

Michael K.
Architect

Whether individual covering support mats or impact sound insulating mats, complete substructures including insulation, heating or decoupling function – Blanke's floor construction systems are versatile, designed especially for building renovation and create new opportunities. In short, they are innovative. The product innovations from Blanke, as well as the long-selling products, are enjoying increasing demand from the target group of architects and tilers. The leitmotif: „Experience what expertise is all about. Blanke.“ has thus turned into a seal of approval.

Safe for installers. All Blanke floor systems have been developed as lightweight, modular products. Our strong Blanke•PERMAT, works on its own or as part of a system, making it possible to do without screed. Not only transportation to the site, but also the laying itself is simple – in two ways. We assist installers in the design of complex underfloor heating and by ordering components or systems by the square metre, we make sure that they are not left sitting on left-over material.

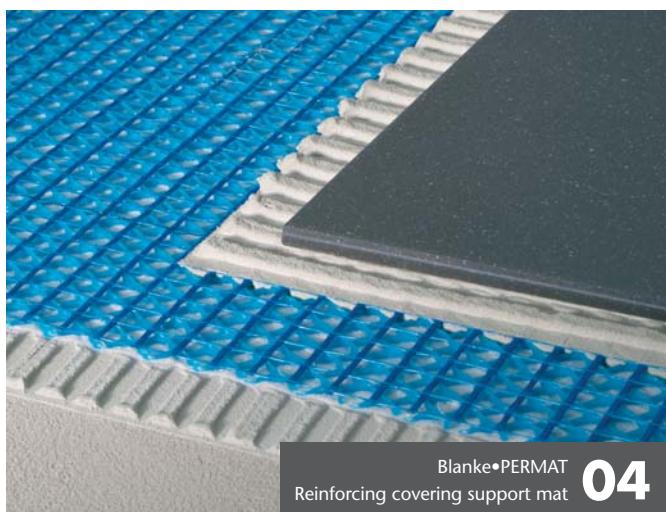
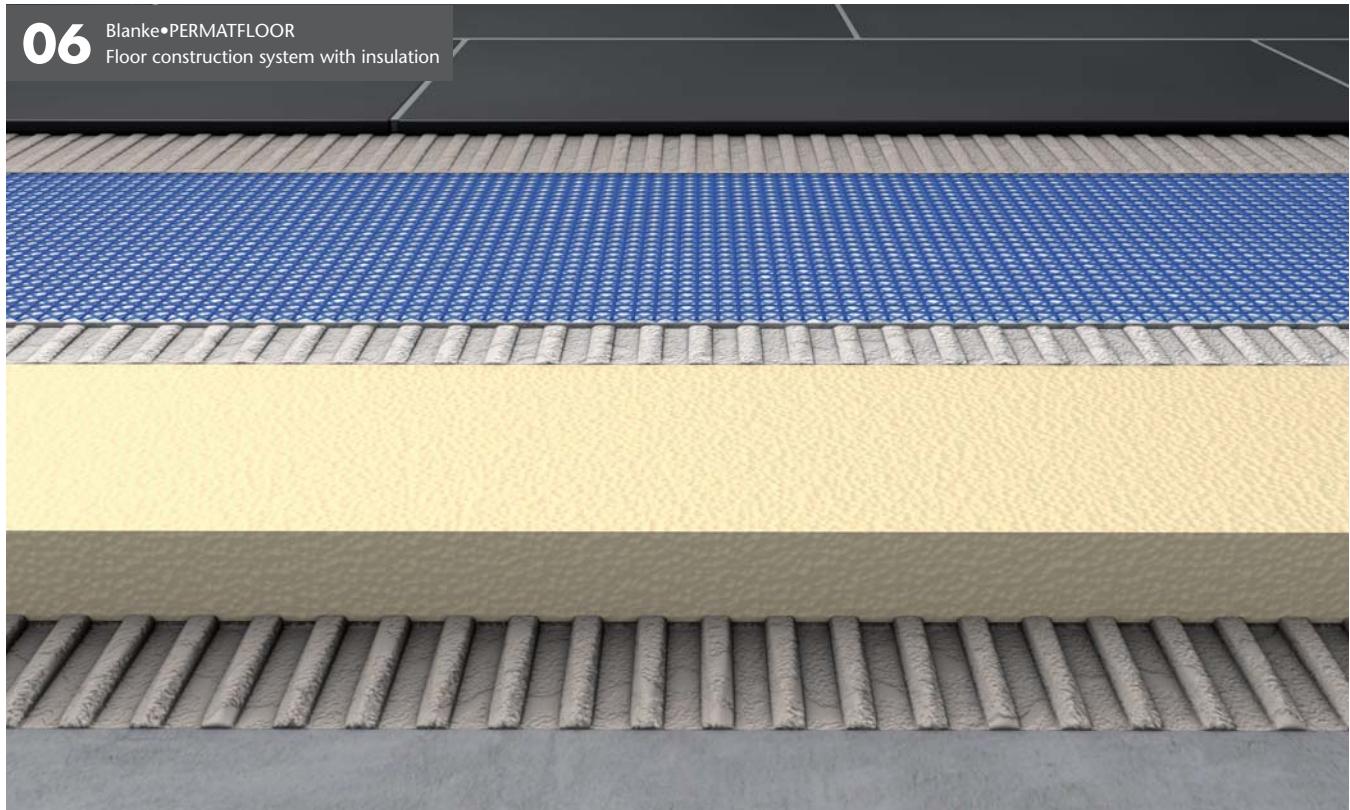
Top quality for building owners. Safe, multifunctional, economical. For building owners it is especially important that it works. Blanke provides customized system solutions for the floor structure both for commercial applications as well as for the private sector. On any base surface (eg: concrete slab, wood flooring or old tiles) and for any final floor surface (eg: tile, natural stone or wood) – Blanke Systems have been tried and tested over many years, certified and are always a permanent solution. The name Blanke stands for these qualities since 1948.

Predictable for architects. The requirements for building reconstruction and new buildings are growing constantly. Issues such as energy, sustainability, accessibility are no less important than quality, functionality or design. Blanke sees itself as a partner and consultant for architects. Predictable quality also means offering services tailored specifically to the needs of planners in addition to systems offering quality. We assist planners with detailed technical data, tender specifications and cost calculations. And because our products are mainly installed by a tiler, the work section is reduced to just one quality-conscious tradesman. The entire floor structure of a building comes from one source; at the highest level.

06

Blanke•PERMATFORM

Floor construction system with insulation

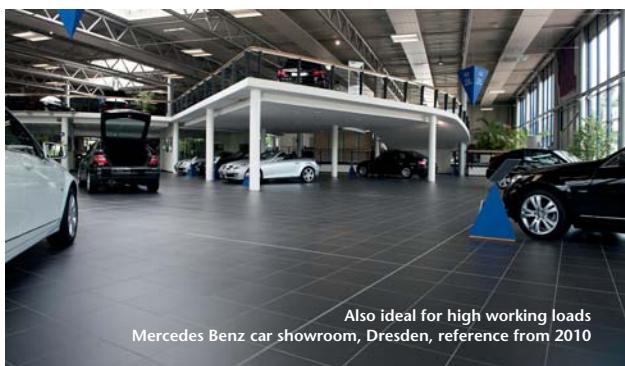


BLANKE•PERMAT

Reinforced covering support mat



Blanke•PERMAT is a high quality covering support and decoupling mat. It works as a high-quality separating layer for the protection of ceramic and natural stone flooring. The combination consists of three layers with different functions but with a height of only 3.3 mm: a non-slip glass fibre mesh, extruded, twisted strands of HDPE mesh, and a non-woven decoupling membrane. The two layers of twisted mesh act as a reinforcement under the tile. The result: a unique adhesive tensile strength and an enormous grip for the tile adhesive. Furthermore, as an underlayer, Blanke•PERMAT is also an essential part of the Blanke•PERMATOP floor heating and cooling system and the Blanke•PERMATFORM floor system with insulation.



Blanke's best covering support mat



Produces a decoupling
and crack bridging effect



No problem to set ceramic tiles on **all**
subfloors (hardwood floors, cracking
old screed, under-floor heating etc.)



Maximum stability
against pressure loads



No cavities,
therefore no hollow sound



No limits
on tile size

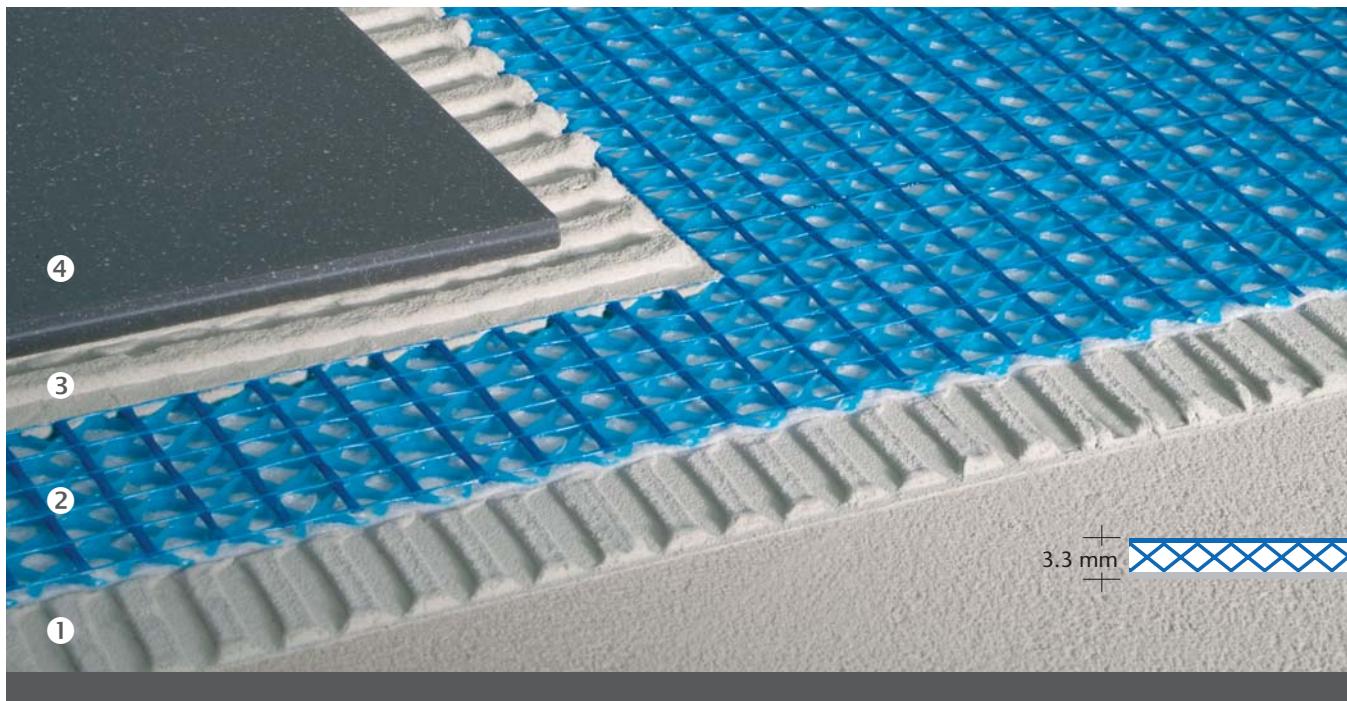
The best covering support mat

The central component of all Blanke floor systems

Technical data:

Length/Width:	62 × 97 cm
Thickness:	3.3 mm
Colour:	HDPE mesh and fibreglass mesh blue, non-woven bottom membrane white
Fire class:	B2
Tear strength:	468 N (as per DIN 53457)
Working load:	up to 7.5 KN/m ²

For more information, please refer to the technical data sheet and laying instructions.



① Flexible adhesive mortar ② Blanke•PERMAT ③ Blanke•GLUEMAX or flexible adhesive mortar ④ Final floor surface (in this case tiles)

Extract from system partner:

Baustoffe fürs Leben


Blanke•PERMAT

Blanke•PERMATFORM

Blanke•PERMATOP

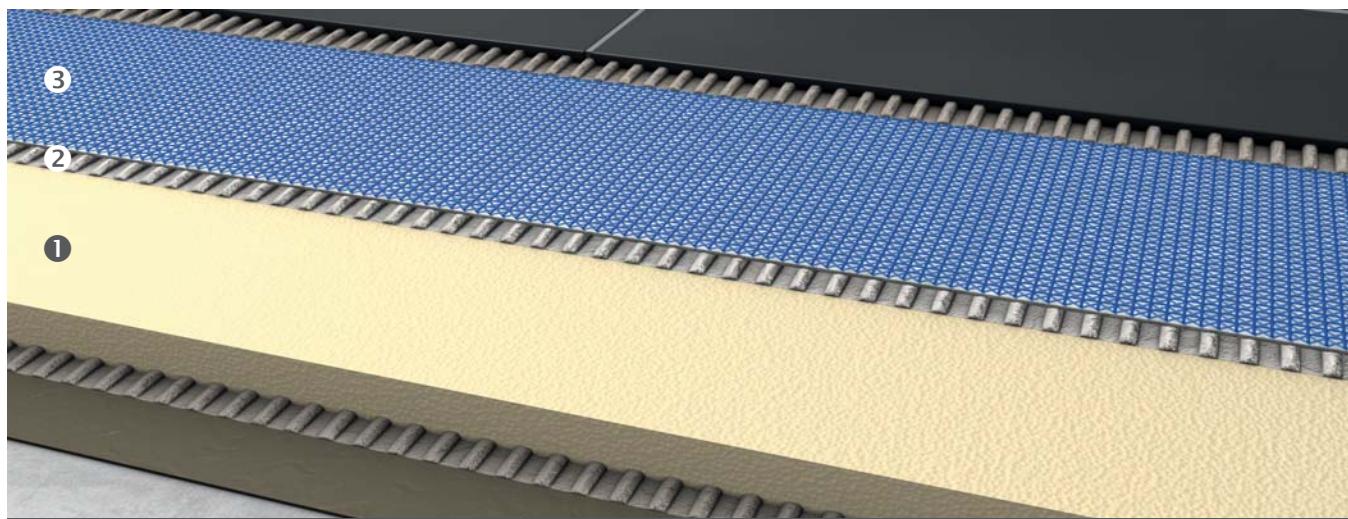
Blanke•TRIBOARD

BLANKE•PERMATFORM

The lightweight alternative to screed



Insulation instead of screed!



System components: ① Blanke•PERMATFORM insulation ② Blanke•GLUEMAX ③ Blanke•PERMATFORM including edge insulation strips

Blanke•PERMATFORM is the new floor system that is absolutely ideal for renovating and modernizing existing housing. Thanks to its low weight and the extremely low floor foundation height, the screed-free system provides an ideal base for the top floor layer. In addition, due to the high-load capacity and heat-insulating, polyurethane foam board, the innovative floor system is particularly good at reducing impact noise. With 40 mm of insulation the improvement in sound insulation is getting to 11 dB.

Architects, building owners and installers similarly benefit from the combination of the tried and tested, reinforcing Blanke•PERMATFORM covering support mat with the heat and impact sound deadening rigid foam board. Compared to screed, Blanke•PERMATFORM is extremely light and thus simple and quick to lay for different construction types and uses.

All involved save time and money as there is no drying time. The system can be walked on immediately and the final floor surface can be installed the next day. The low floor foundation height and the overall quality of the certified system also ensure planning predictability because only one craftsman, the tiler, is responsible for the entire floor structure.

Whether in the basement, ground floor or the attic, in a medical practice or living spaces, whether in complete refurbishments, upgrades or new buildings: the innovative Blanke•PERMATFORM floor system is multifunctionally in use.

The lightweight alternative to screed



Light-weight, thus easy to plan and employ in existing buildings



Heat and sound insulating properties – warm, quiet floor construction



Low floor foundation height of about 4.5 cm and yet capable of bearing heavy loads



Short construction time no drying phase – completely independent of the weather. The result: scheduled building times can be complied with!



Low level of building moisture facilitates the work of the following finishing stages – thus eliminating the waiting period while drying out.



Suitable for all base surfaces and many applications.

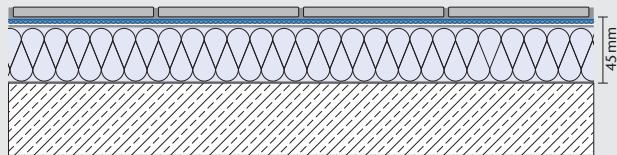
Technical data:

Length/Width:	100 × 50 cm
Insulating material:	40 mm (other heights on request)
Overlap:	10 × 20 mm on four sides, national technical approval for construction (DIN EN 13163 and DIN 4102 (B1))
Thermal conductivity class:	WLS 035
Density:	30 kg/m ³
Fire class:	B1
Impact sound reduction:	Rating according to ISO 717-2 = 11 dB
Working load:	up to 2.0 kN/m ²
Weight per unit area:	4 kg/m ² without final floor covering

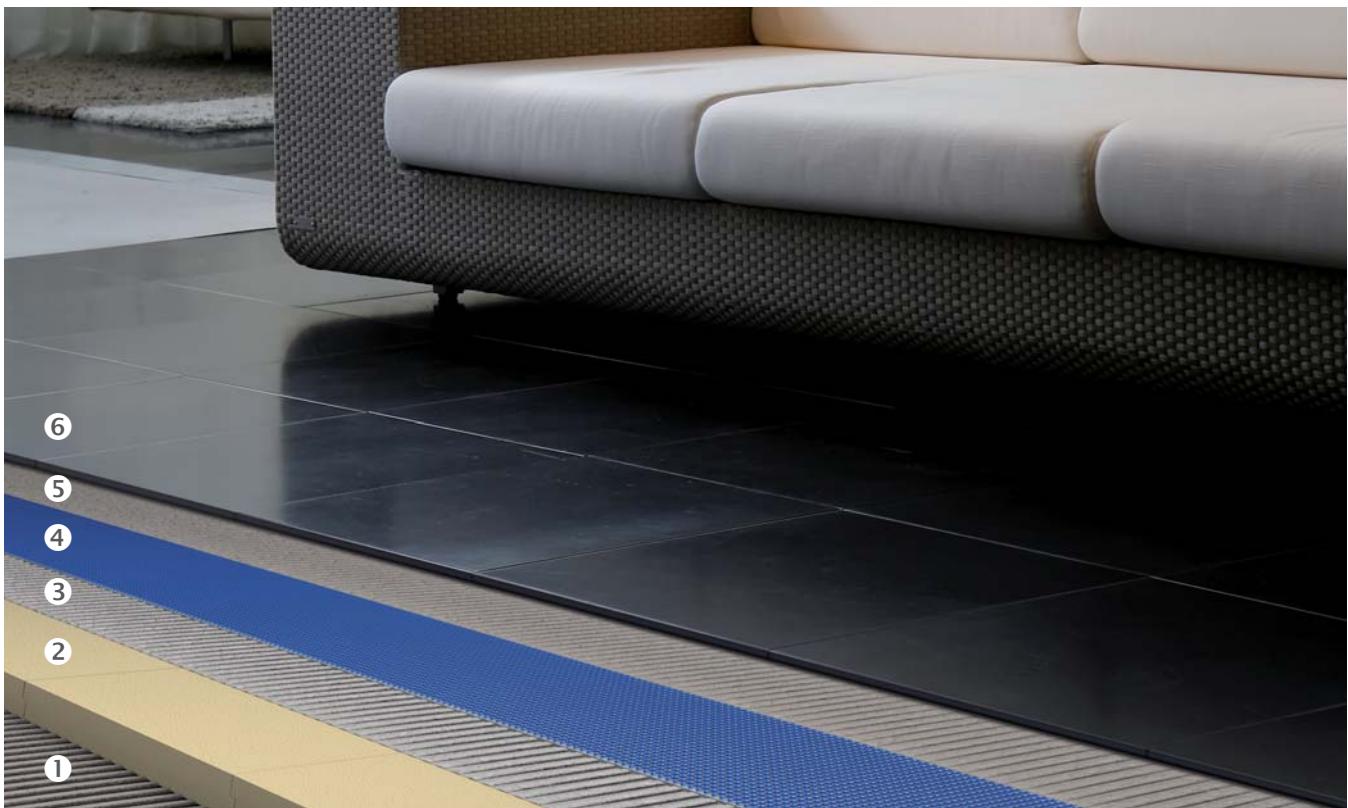
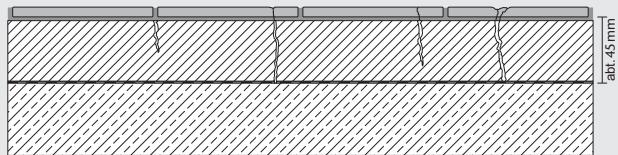
For more information, please refer to the technical data sheet and laying instructions.



Cross section Blanke•PERMATFORM
(abt. 45 mm plus tile)



Cross-section of conventional floor construction with screed only (as in housing typical of the 1950s to the 1980s)

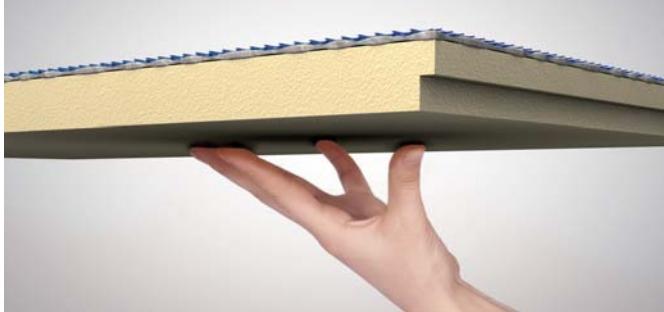


- ① Flexible adhesive mortar
- ② Blanke•PERMATFORM Insulation
- ③ Blanke•GLUEMAX
- ④ Blanke•PERMAT
- ⑤ Flexible adhesive mortar
- ⑥ Final floor surface



Extremely **lightweight...**

A weight of only 4 kg/m² does not raise the question of static load capacity (eg: an old, beamed ceiling). This is in contrast to about 90 kg/m² with a screeded floor. At the same time, the lightweight system can take a working load of 2 kN/m².



Doubly **insulating...**

The innovative floor construction has both heat and sound insulating properties (11 dB) at the same time and significantly improves the living or working environment.



Unrivalled **when it comes to speed...**

Due to laying being done dry and therefore fast, the product system results in extremely short construction times – without any drying period, and completely independent of the weather. Can be walked on immediately, final floor surface after one day!



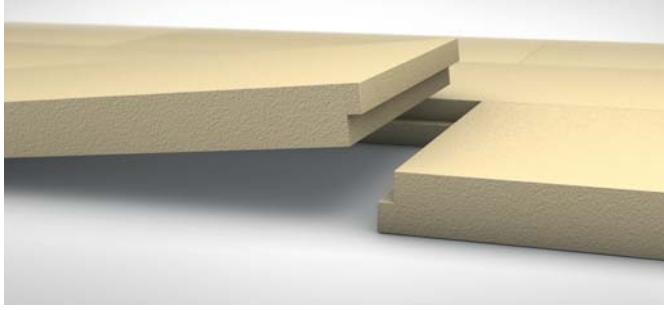
Particularly **flat...**

Thanks to the minimal floor foundation height of only 4.5 cm and at the same time its suitability for maximum loads Blanke•PERMATFLOOR ideally suited for replacing old screed.



Tremendously **simple...**

The complete floor structure is finished simply, safely and quickly by just one responsible, quality-conscious installer – the tiler. The scheduled building times can thus be kept to with greater accuracy and communication is made easier.



Multifunctional **in use...**

The multifunctional floor system can be applied on various base surfaces: bare floor, old tiles, wood flooring and OSB panels. No matter whether in a basement or roof, old or new-build, an apartment or a medical practice. A real all-rounder.

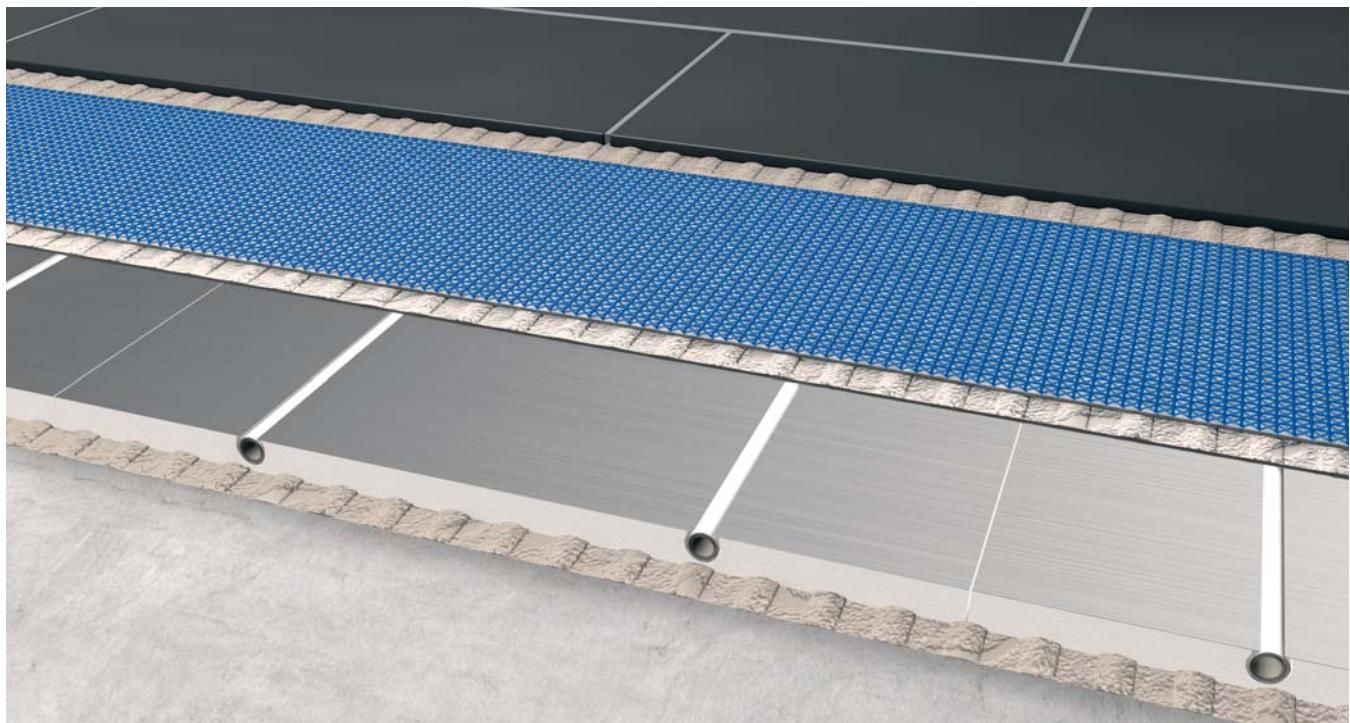


BLANKE•PERMATOP

Underfloor heating and cooling system



Water piping system, low construction height and impact sound insulated.



Blanke•PERMATOP is an innovative floor system for heating and cooling. It combines the advantages of an EPS-based flooring panel and built-in heat-conducting sheet with the tremendous pressure stability of the Blanke•PERMAT covering support and decoupling mat. The fully glued heat-conducting sheet – even in areas where the tubing is redirected – ensures heat is distributed uniformly and exceptionally fast.

Combined with the fast-setting, special spreading adhesive Blanke•GLUEMAX, Blanke•PERMAT replaces the conventional screed layer and stands out by being highly rigid, by its excellent tensile adhesion as well as its tensile and compressive strength.

The unique combination of Blanke•PERMAT together with Blanke•PERMATOP flooring panels consisting of insulation and heat conducting sheet allows an extremely thin design without having to forego rapid, even heat distribution. There are four different systems with sound insulation, different heights or sustainable wood particle board insulation, each with two different tube spacings.

Without screed, even for large tiles



Very fast reacting underfloor heating and cooling system.

Can be felt after 5 minutes!



Extremely **low floor foundation height** – from 30 mm



Tested **impact sound insulation** up to 11 dB



A saving of more than 4 weeks' **building time is** possible because you can dispense with screed

Heating instead of screed!

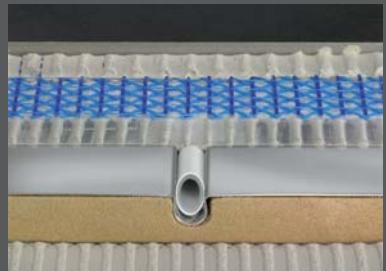
Technical data:

System types:	4 Systems: Impact sound, flat, wood particle board insulation, higher compression strength systems in 25.0 and 12.5 cm
Tube spacing:	100 × 50 cm and 75 × 50 cm
Length/Width:	30 mm/35 mm
Height:	WLS 035
Thermal conductivity class:	> 200 W/mK (aluminium conducting sheet)
Thermal conductivity:	B1 EPS/NEOPOR, B2 wood particle board
Impact sound reduction:	Rating according to ISO 717-2 = 11 dB
Working load:	2.0 to 5.0 kN/m ²

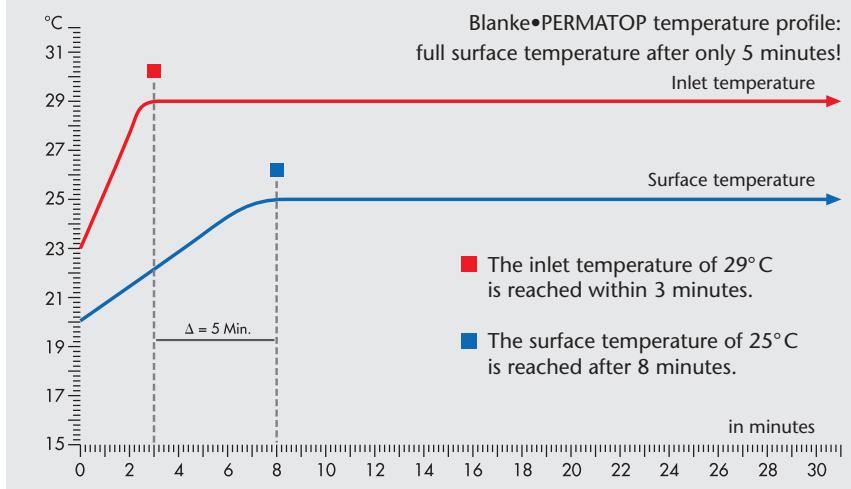
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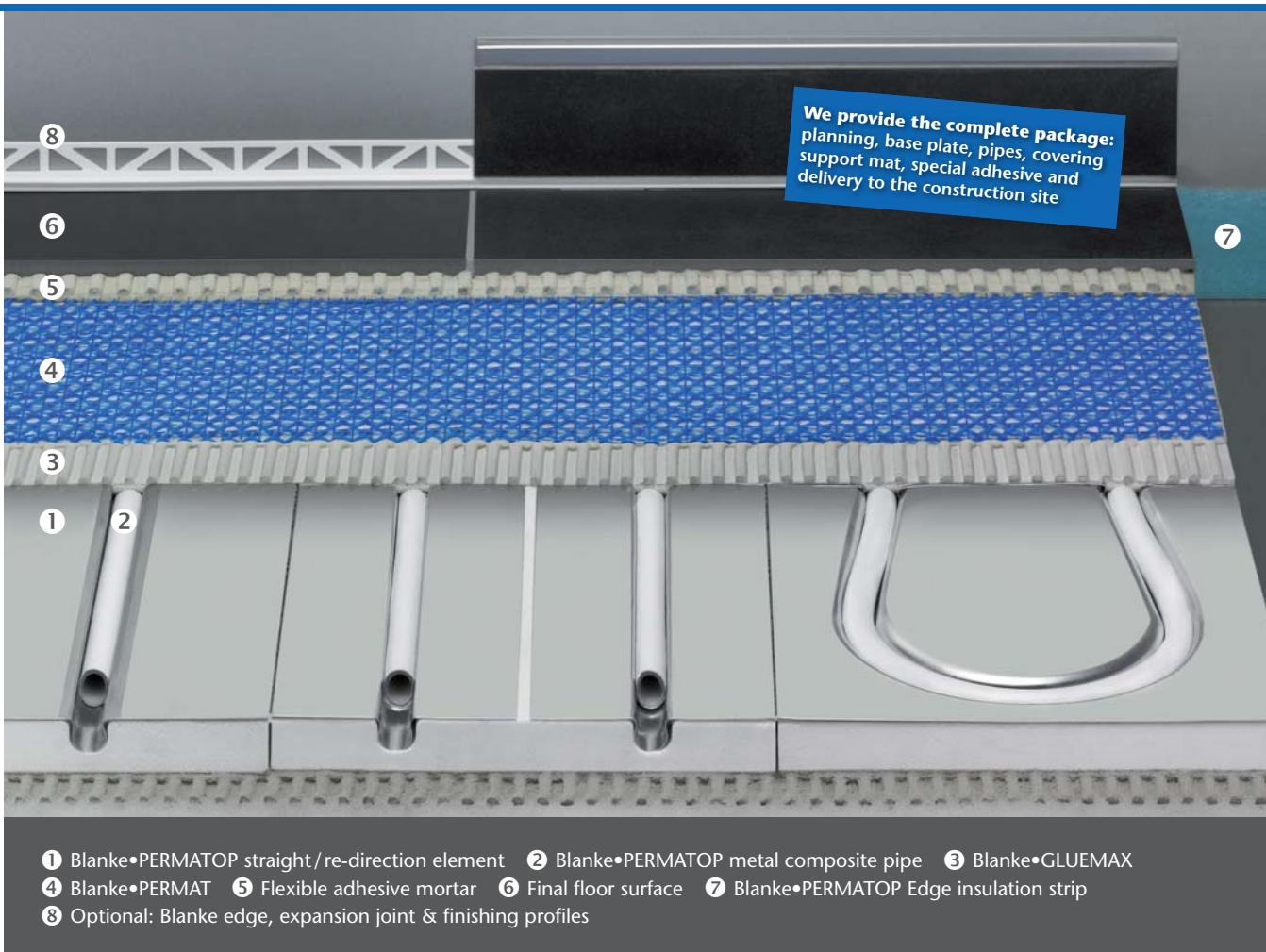


Blanke•PERMATOP WOOD
The sustainable, environmentally-friendly design with wood particle insulation board!



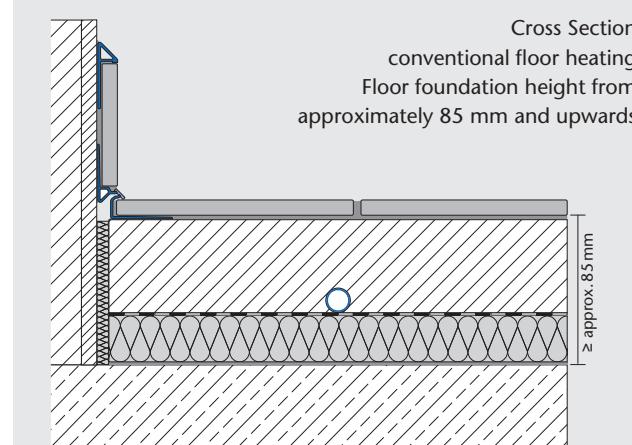
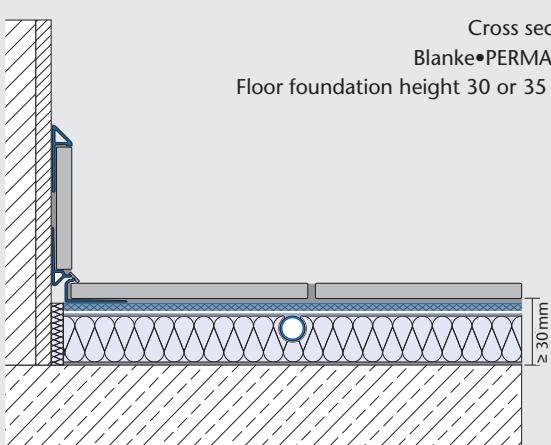
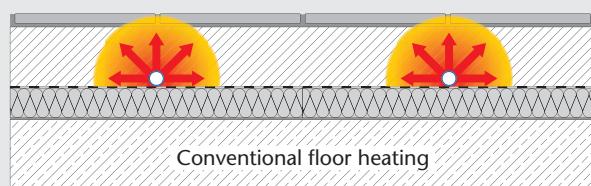
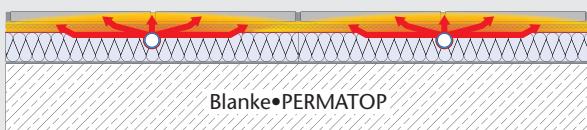
We can design the individual layout plan and instruct the tradesmen on site.

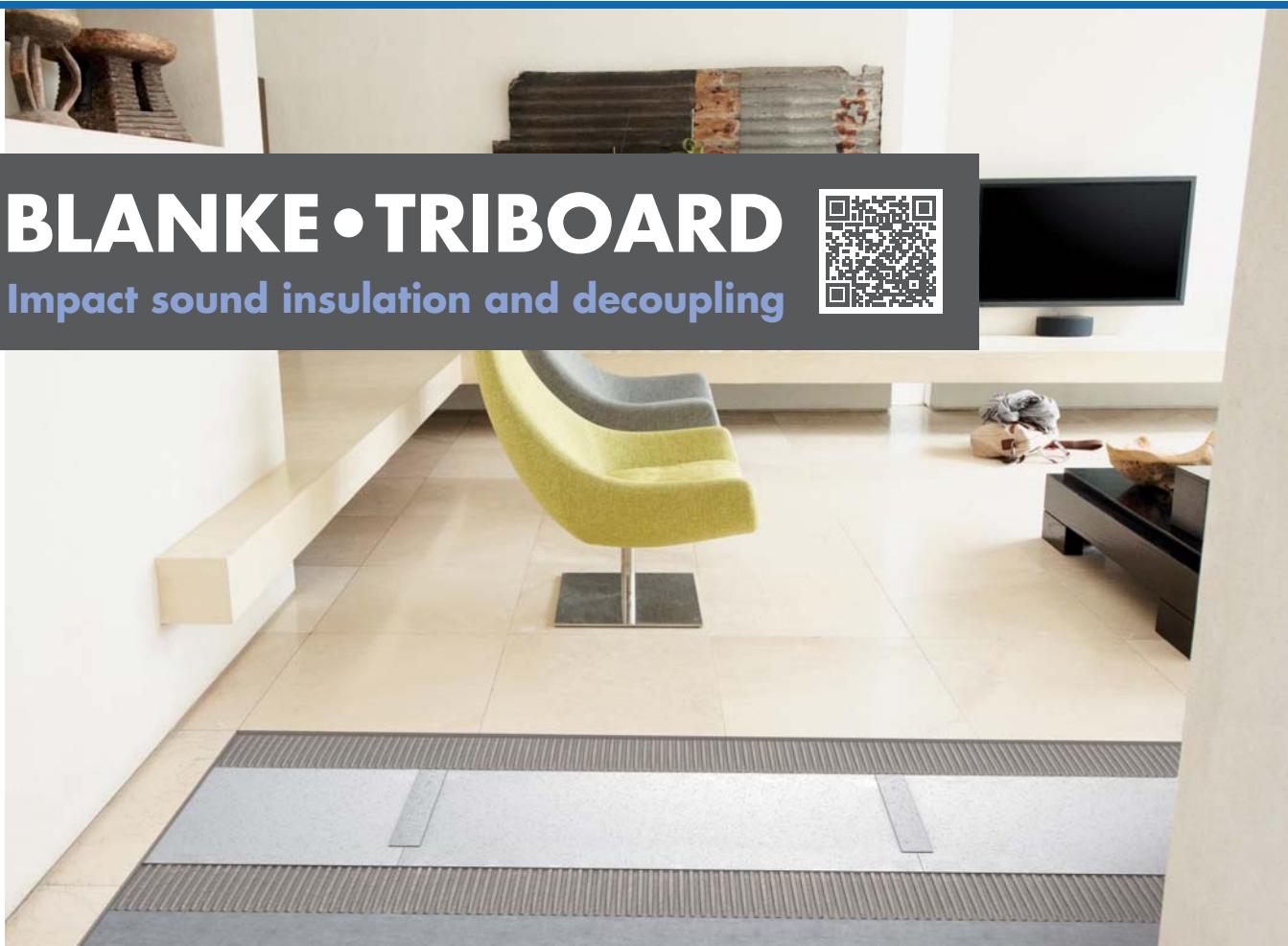




- ① Blanke•PERMATOP straight/re-direction element
- ② Blanke•PERMATOP metal composite pipe
- ③ Blanke•GLUEMAX
- ④ Blanke•PERMATOP
- ⑤ Flexible adhesive mortar
- ⑥ Final floor surface
- ⑦ Blanke•PERMATOP Edge insulation strip
- ⑧ Optional: Blanke edge, expansion joint & finishing profiles

Even heat distribution due to heat conducting sheet





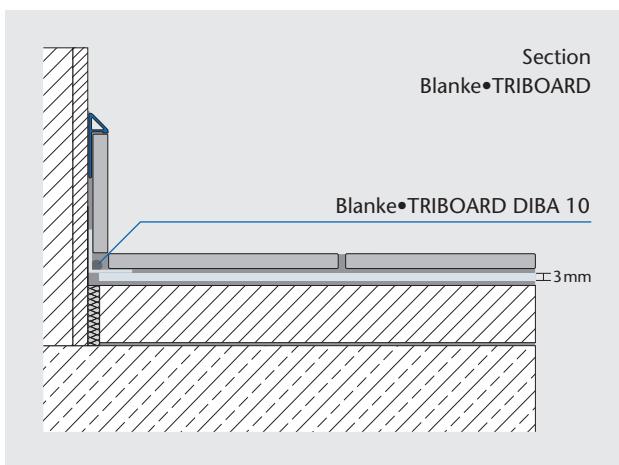
BLANKE•TRIBOARD

Impact sound insulation and decoupling



Blanke•TRIBOARD is a thin, impact sound reduction and decoupling panel with high compressive strength for working loads of up to 5 kN/m² for supporting ceramic and natural stone tiles. Despite being only 3 mm thick, it achieves an enormous impact sound reduction of up to 17 dB as per DIN EN ISO 140-8.

In addition, Blanke•TRIBOARD stands out by its low weight and high tear resistance. Regardless of whether you are applying tiles or natural stone flooring, floating parquet or laminate floors, Blanke•TRIBOARD is ideal as a support element.



Best impact sound reduction with a thickness of only 3 mm

-  Flat but still very good **impact sound reduction** of up to 17 dB
-  **Has a decoupling effect** and thus protects the final floor surface
-  **Low floor foundation height** of only 3 mm
-  **Low-emission** and odourless
-  **Maximum stability** under pressure

Quiet at every step.

Technical data:

Length/Width:	60 x 100 cm
Thickness:	approx. 3.0 mm
Colour:	light beige
Fire class:	B2
Impact sound reduction:	up to 17 dB as per DIN EN ISO 140-8
Working load:	up to 5.0 kN/m ²
Weight per unit area:	1.6 kg/m ² without final floor covering

For more information, please refer to the technical data sheet and laying instructions.



- ① Flexible adhesive mortar ② Blanke•TRIBOARD ③ Flexible adhesive mortar ④ Final floor surface (in this case tiles)
 ⑤ Blanke•TRIBOARD SK edge joining strip

Accessory Products:

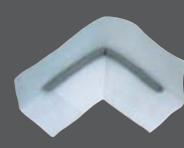
We think holistically. In order not to transmit the impact sound via acoustic bridges to adjacent components, Blanke•TRIBOARD provides a series of accessories which ensure correct product functioning where edges meet and in corners.



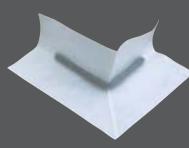
Blanke•TRIBOARD
SK edge joining strip



Blanke•TRIBOARD
DIBA 10



Blanke•TRIBOARD
DIBA 10 CORN-A



Blanke•TRIBOARD
DIBA 10 CORN-I



K O M P E T E N Z E R L E B E N



ad-hok.com

Blanke GmbH & Co. KG

Support:

Stenglingser Weg 68-70
D-58642 Iserlohn
Germany

Telefon +49 (0)2374 - 507 0
Telefax +49 (0)2374 - 507 42 00

E-Mail info@blanke-systems.de
Internet www.blanke-systems.com



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