



FÜR HANDWERK, DAS ÜBERZEUGT.

BLANKE FLOOR SYSTEMS

Innovative solutions from the ground up



»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.

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 all make sure that they are not left sitting on left-over material.

TOP QUALITY FOR BUILDING OWNERS

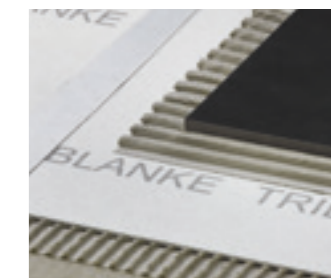
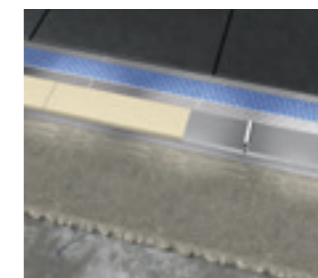
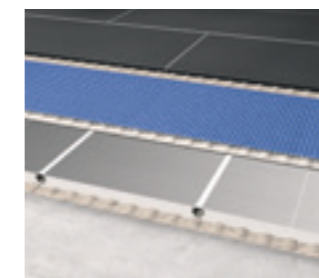
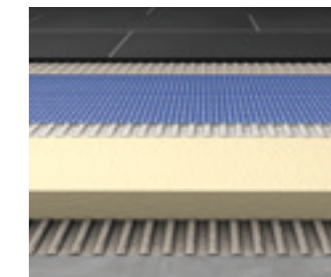
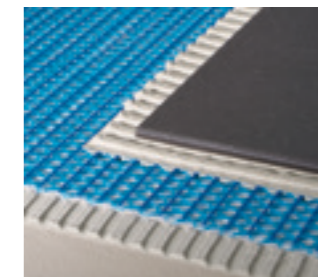
Safe, multifunctional, economical. For building owners it is especially important that it works. Blanke

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 quality 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.

BLANKE PERMAT 04 | 08 BLANKE PERMATFLOOR



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BLANKE PERMAT

Reinforced covering support mat

THE BEST COVERING SUPPORT MAT – THE CENTRAL COMPONENT OF ALL BLANKE FLOOR SYSTEMS



1 Flexible adhesive mortar
2 BLANKE PERMAT

3 BLANKE GLUEMAX (or flexible adhesive mortar)
4 Final floor surface (in this case tiles)

SYSTEM PARTNERS

Sopro

SCHOMBURG

KNAUF PERLITE

PCI
Für Ba. u. Profis

SCHWENK
Baustoffe fürs Leben

MAPEI

Kiesel

codex X
Kunststoffwerkzeuge für den Bau

BOTAMENT®
SYSTEMBAUSTOFFE

ARDEX

SCHÖNOX

Ceresit
FABRICARE

Bostik

MUREXIN
www.murexin.com

weber
SAINT-GOBAIN

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/m²

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

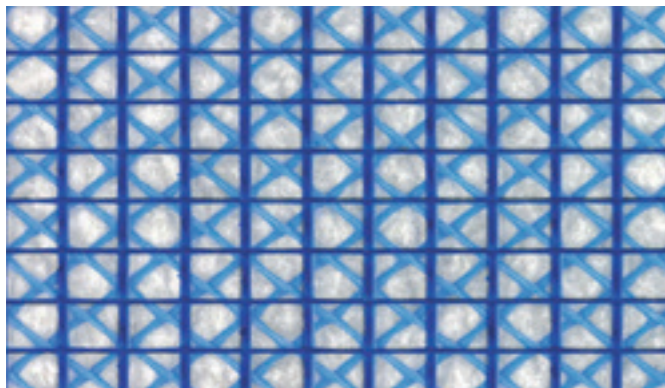




Also ideal for high working loads - Mercedes Benz car showroom, Dresden, reference from 2010

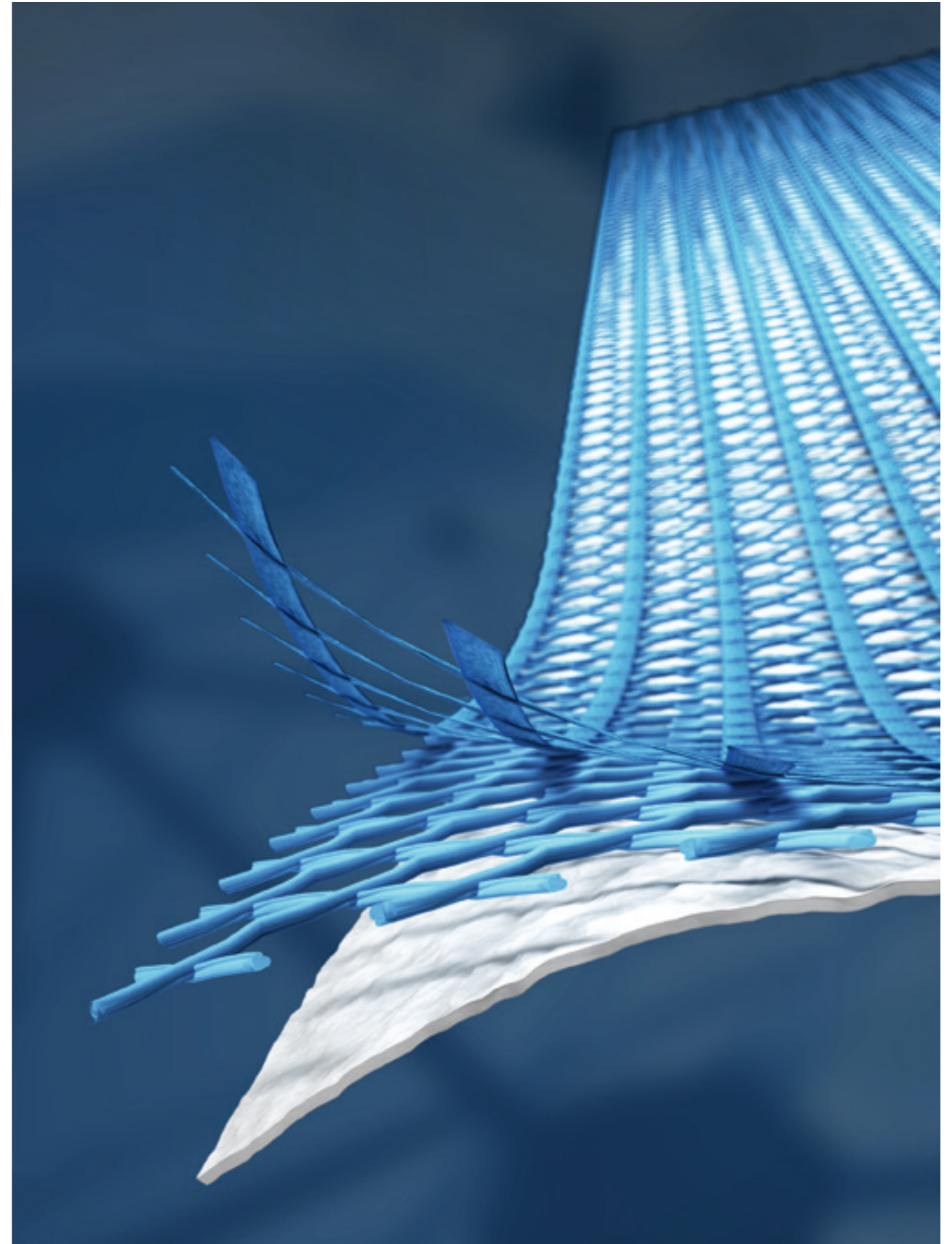
BLANKE PERMAT is a high quality covering support and decoupling mat. It works as a high-quality separating layer for the protection of ceramic and natural stone flooring. The combination consists of three layers with different functions but with a height of only 3,3 mm: a non-slip glass fibre mesh, extruded, 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 PERMATFLOOR floor system with insulation.



THE BEST COVERING SUPPORT MAT

- > Produces a decoupling and crack bridging effect
- > No problem to set ceramic tiles on all subfloors (hardwood floors, cracking screed, under-floor heating etc.)
- > Maximum stability against pressure loads
- > No cavities, therefore no hollow sound
- > No limits on tile size

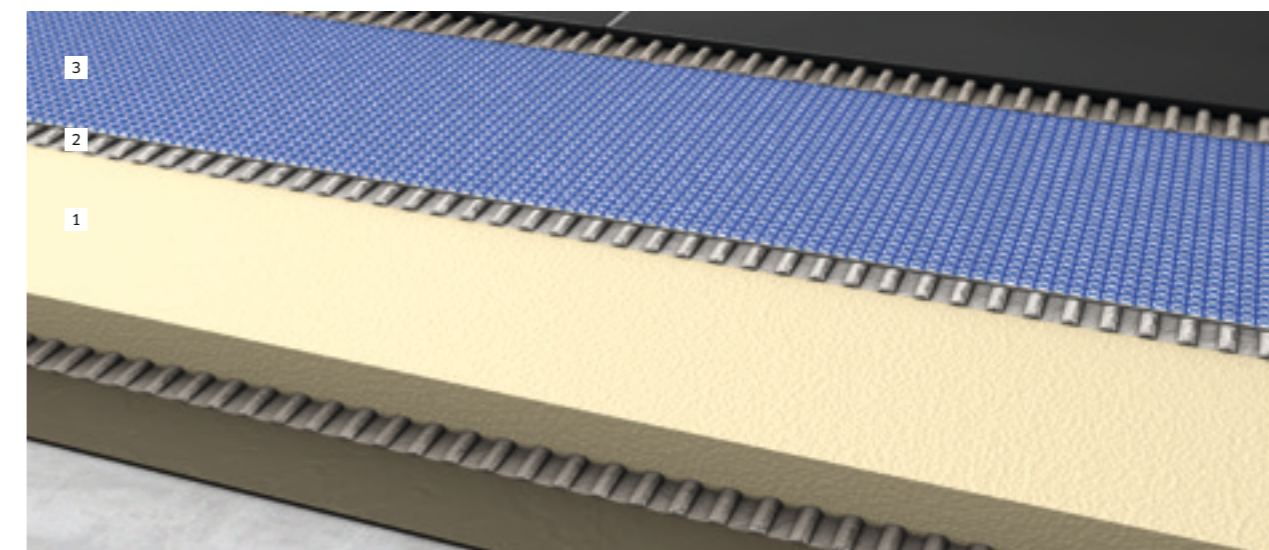




BLANKE PERMATFLOOR

The lightweight alternative to screed

INSULATION INSTEAD OF SCREED



■ SYSTEM COMPONENTS 1 BLANKE PERMATFLOOR insulation 2 BLANKE GLUEMAX 3 BLANKE PERMAT including edge insulation strips

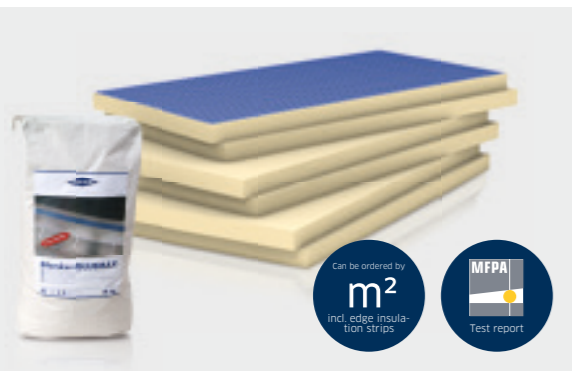
THE LIGHTWEIGHT ALTERNATIVE TO SCREED

- > Light weight - weight per unit area of only 4 kg/m²
- > Double damping - heat and sound insulation (11 dB)
- > Quick handling without waiting time
- > Low floor foundation height of 3,5 cm and yet capable of bearing heavy loads
- > Suitable for all base surfaces and many applications

BLANKE PERMATFLOOR 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 PERMAT covering support mat with the heat and impact sound deadening rigid foam board. Compared to screed, BLANKE PERMATFLOOR 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 PERMATFLOOR system is multifunctionally in use.



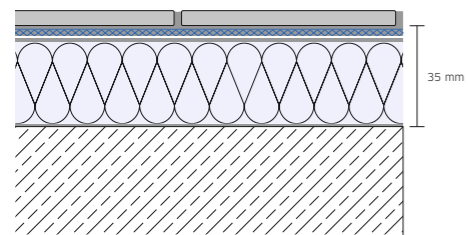
TECHNICAL DATA

Length/Width: 100×50 cm
 Insulating material: 30, 40, 50 and 60 mm (other heights on request)
 Overlap: 10×20 mm on four sides, national technical approval for construction [DIN EN 13163 und DIN 4102 (B1)]
 Thermal conductivity class: WLS 035
 Density: 30 kg/m³
 Fire class: B1
 Impact sound reduction: Rating according to ISO 717-2 = 11 dB
 Working load: up to 2,0 kN/m²
 Weight per unit area: 4 kg/m² without final floor covering

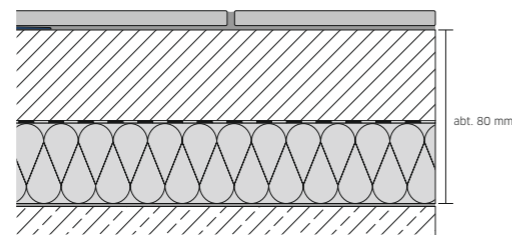


For more information, please refer to the technical data sheet and laying instructions.

Cross section BLANKE PERMATFLOOR (abt. 35 mm plus tile)



Cross section of conventional floor construction with screed



- 1 Flexible adhesive mortar
- 2 BLANKE PERMATFLOOR insulation
- 3 BLANKE GLUEMAX
- 4 BLANKE PERMAT
- 5 Flexible adhesive mortar
- 6 Final floor surface



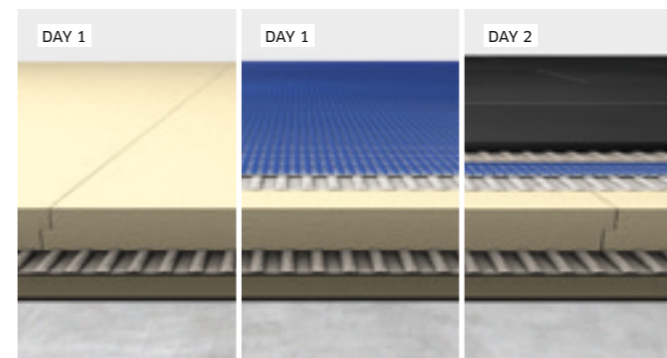
EXTREMELY LIGHTWEIGHT

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.



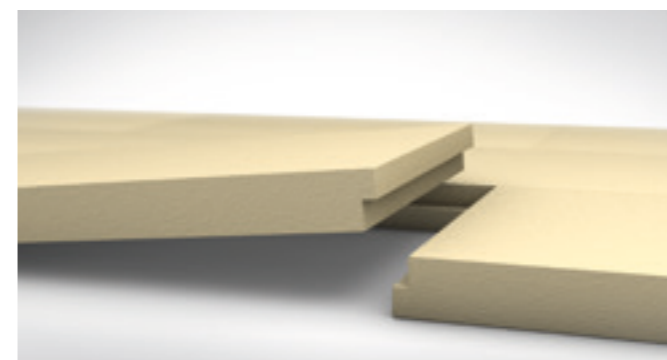
UNRIVALLED WHEN IT COMES TO SPEED

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.



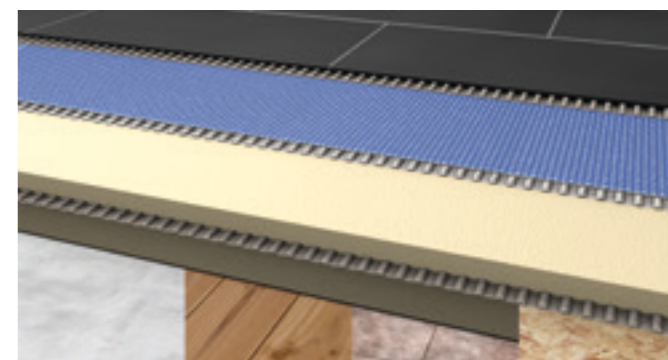
PARTICULARLY FLAT

Thanks to the minimal floor foundation height of only 3.5 cm and at the same time its suitability for maximum loads BLANKE PERMATFLOOR is 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.



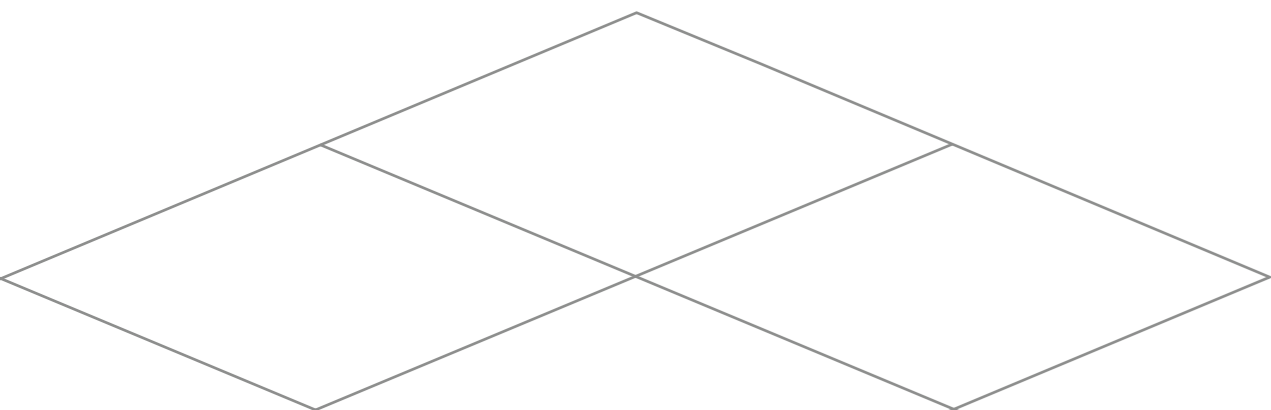
MULTIFUNCTIONAL IN USE

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

Floor heating and cooling system



WATER PIPING SYSTEM, LOW CONSTRUCTION HEIGHT AND IMPACT SOUND INSULATED

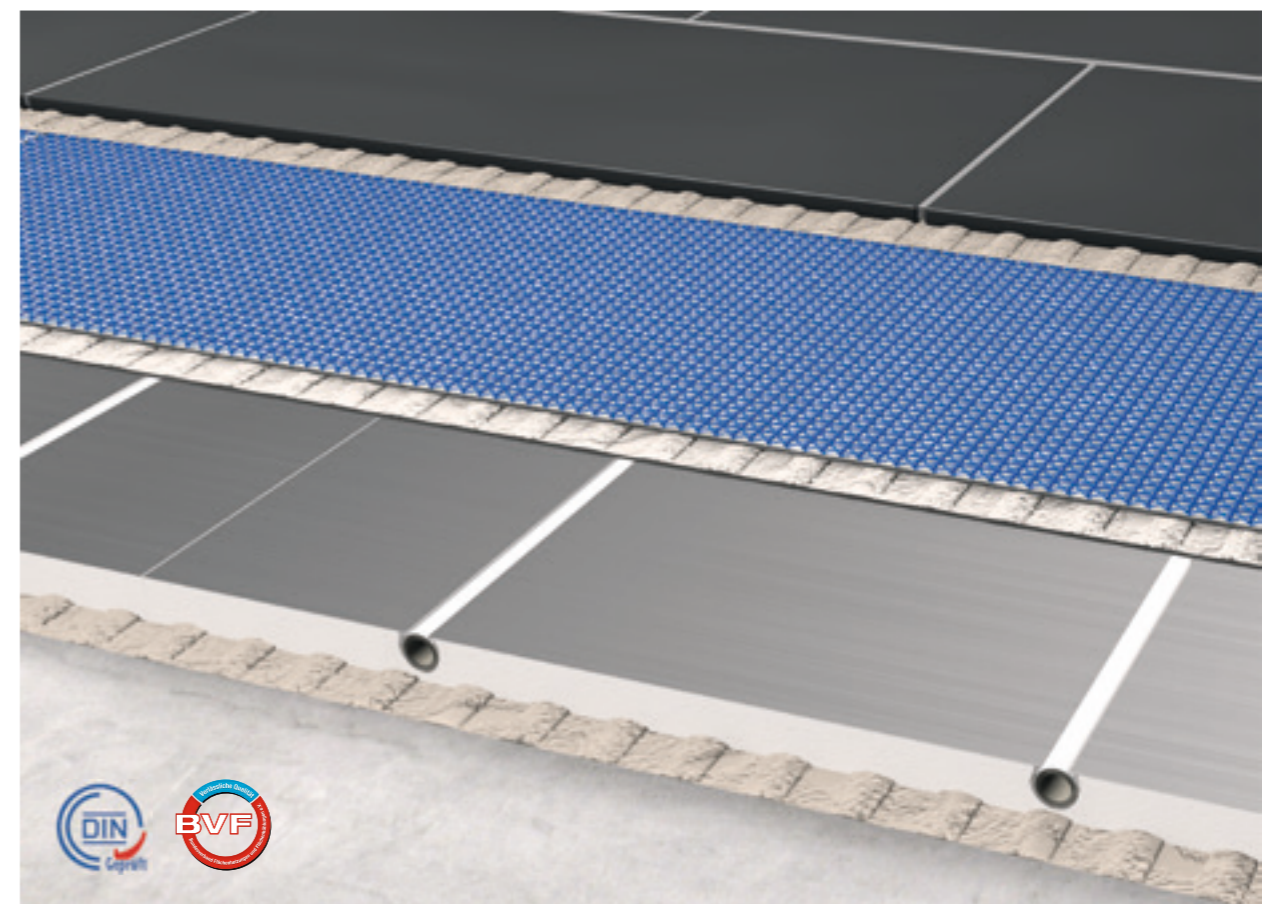
BLANKE PERMATOP is an innovative floor system for heating and cooling. It combines the advantages of an EPS-based flooring panel and built-in heat-conducting sheet with the tremendous pressure stability of the BLANKE PERMAT covering support and decoupling mat. The fully glued heat-conducting sheet –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

Combined with the fast-setting, special spreading 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 construction height – 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
- > Especially suitable for renovations



HEATING INSTEAD OF SCREED!



TECHNICAL DATA

System types: 4 systems: Impact sound, flat, wood particle board insulation, higher compression strength
 Tube spacing: Systems in 25,0 und 12,5 cm
 Length/Width: 100 x 50 cm and 75 x 50 cm
 Height: 30 mm/35 mm
 Thermal conductivity class: WLS 035
 Thermal conductivity: > 200 W/mK (aluminium conducting sheet)
 Fire class: 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/m²

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

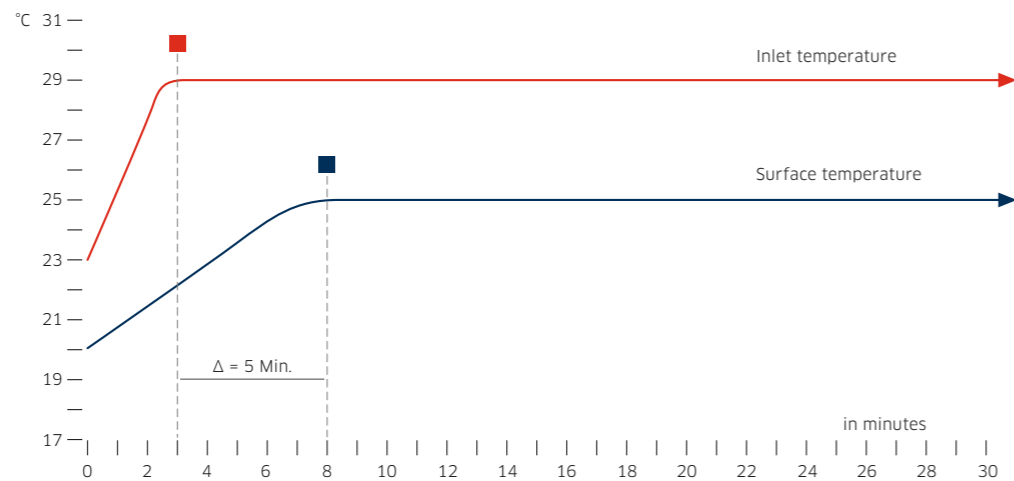


BLANKE PERMATOP WOOD
 The sustainable, environmentally-friendly design with wood particle insulation board!

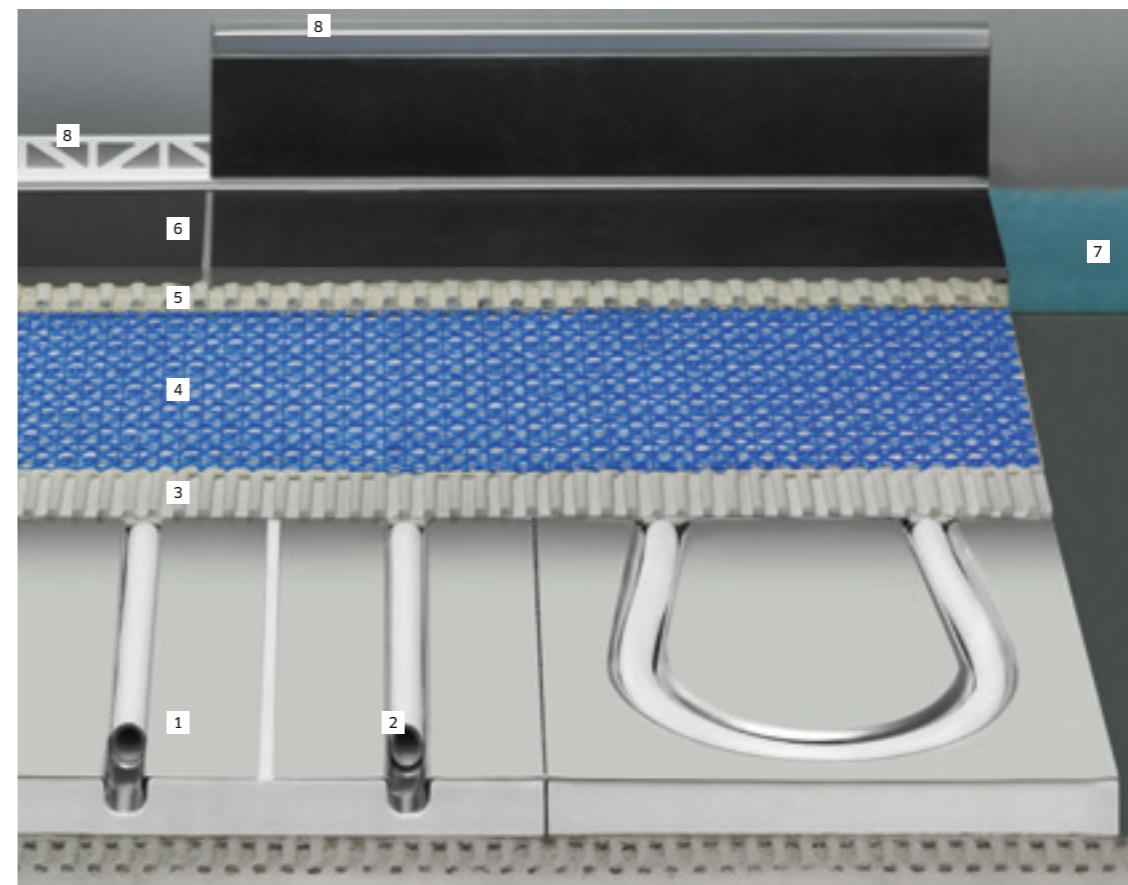


TEMPERATURE PROFILE BLANKE PERMATOP

- The inlet temperature of 29 °C is reached within 3 minutes.
 - The surface temperature of 25 °C is reached after 8 minutes.
- Full surface temperature after only 5 minutes!



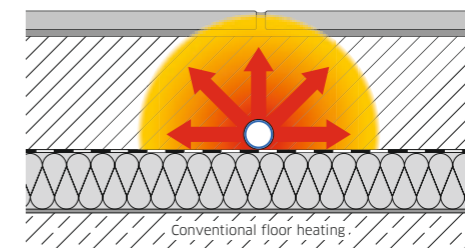
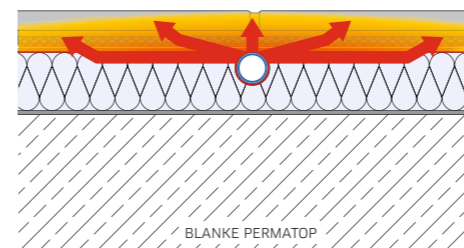
We design the individual layoutplan.



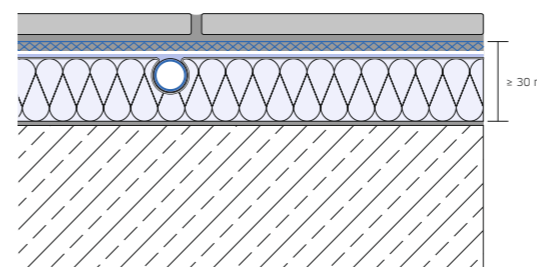
We provide the complete package
 Planning, base plate, pipes, covering support mat, special adhesive and delivery to the construction site

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

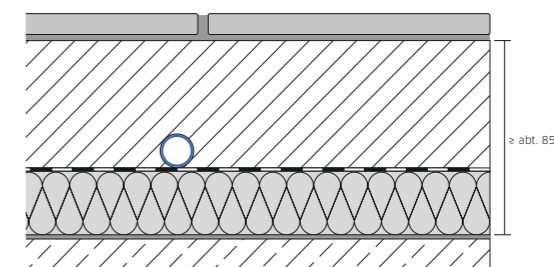
Even heat distribution due to heat conducting sheet

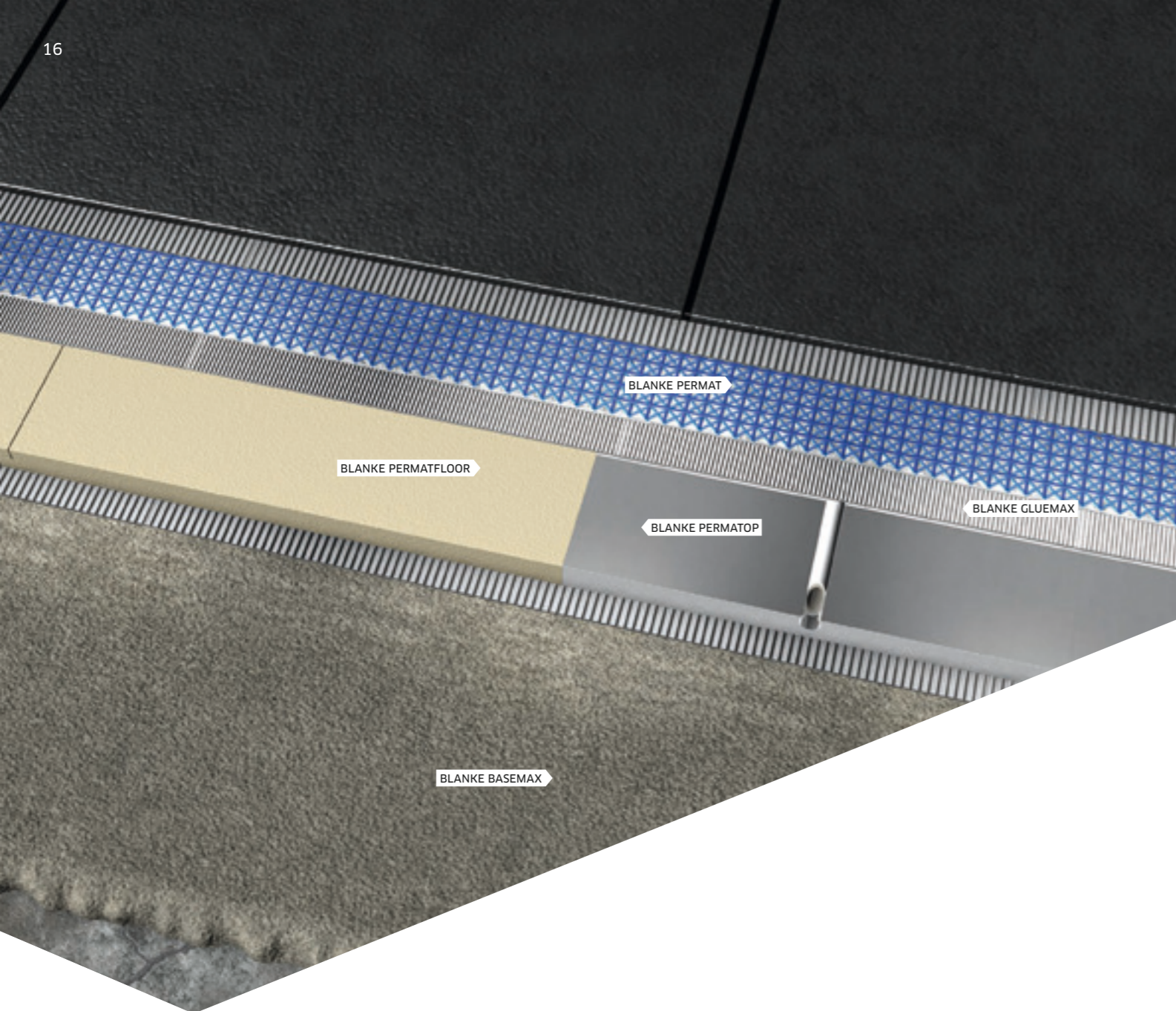


Cross section BLANKE PERMATOP construction height 30 or 35 mm



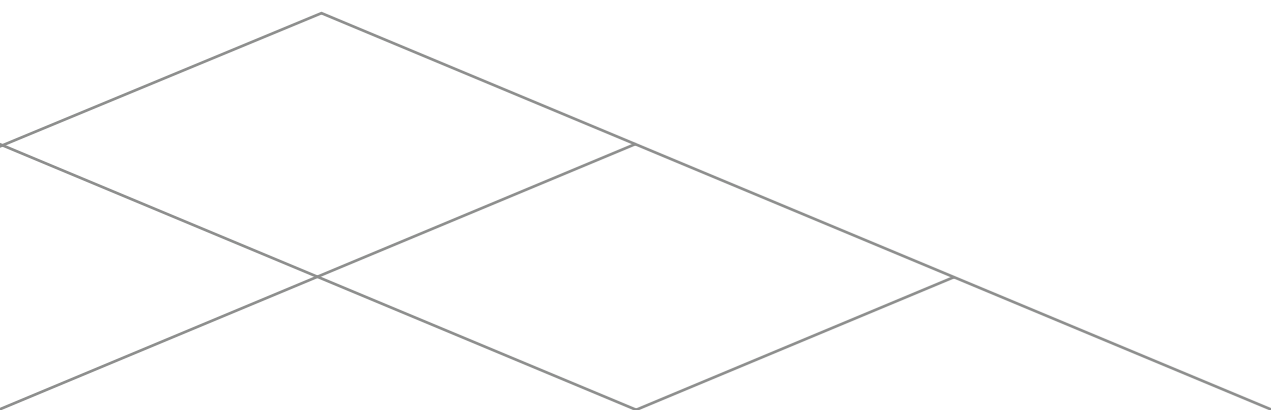
Cross section conventional floor heating construction height from about 85 mm and upwards





BLANKE BASEMAX

Easy levelling



EASY LEVELLING FOR A LEVEL SUBSTRATE

BLANKE BASEMAX consists of a light filler in the form of expanded glass granulate and a cement-based bonding agent. Mixing with water creates the easy levelling from the two components which binds with the uneven surfaces – no matter whether concrete, screed, chipboard or wood flooring – it can be levelled from just 5 mm

right up to 100 mm. BLANKE BASEMAX distinguishes itself through its extreme low weight properties, which only accounts to 25% of a comparable conventional screed. After just 12 hours, BLANKE BASEMAX is set and the Blanke flooring systems can be directly bonded and installed.

LEVEL SURFACES – FAST AND EASY

- > Low static load due to light weight – only about 25% the weight of conventional screed
- > Economical through a high proportion of light materials
- > Two-component system creates a permanent, fixed adhesion
- > High time savings – quick drying and installation ready after 12 hours
- > Levels surfaces from just 5 mm up to 100 mm



Easy incorporation of pipes and cables

TECHNICAL DATA

Mixing ratio:	1 part by weight: 1 part by weight, Comp. A bonding agent, comp. B filler, 1 bag comp. A 25 kg, 2 bags comp. B 12.5 kg
Water needed:	approx. 35 % = 8.75 l water per 25 kg bonding agent
Layer thickness:	min 5 mm - max. 100 mm
Working time:	approx. 60 min.
Accessible:	approx. 12 hrs
Ready for laying:	approx. 12 hrs
Consumption:	approx.a. 4.8 kg/m ² per cm thickness, ready mix comp. A+B
Storage life:	approx. 6 months

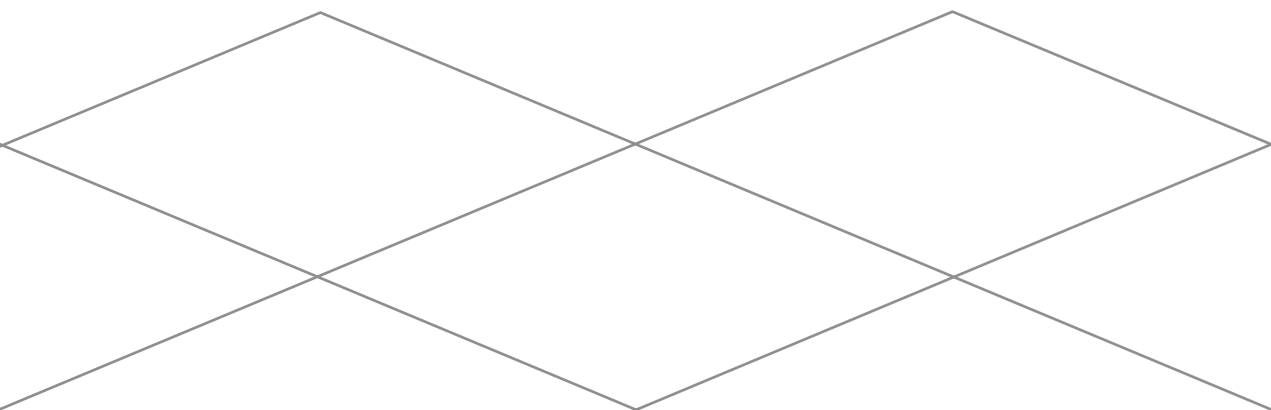
For more information, please refer to the technical data sheet and laying instructions.





BLANKE TRIBOARD

Impact sound insulation and decoupling



QUIET AT EVERY STEP

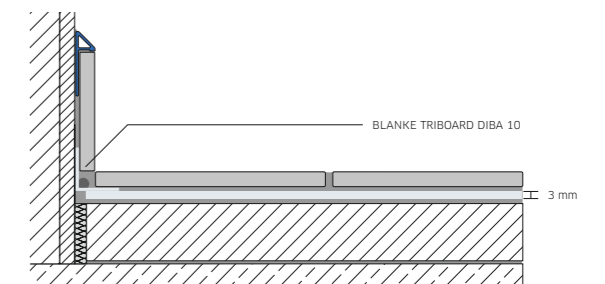
BLANKE TRIBOARD is a thin, impact sound reduction and decoupling panel with high compressive strength for working loads of up to 5 kN/m² for supporting ceramic and natural stone tiles. Despite being only 3 mm thick, it achieves an enormous impact sound reduction of up to 17 dB as per DIN

EN ISO 140-8. In addition, BLANKE TRIBOARD stands out by its low weight and hightear 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

- > 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

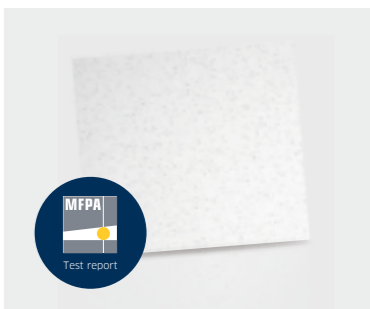
Section BLANKE TRIBOARD



TECHNICAL DATA

Length/Width:	60 × 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.



Consulting and Sales:

Blanke GmbH & Co. KG
Stenglingser Weg 68-76
58642 Iserlohn / Germany
T +49 (0)2374 507-0
F +49 (0)2374 507-4230
E info@blanke-systems.de
I www.blanke-systems.de

