MillWell INTERNATIONAL

MILLED INSULATING UNDERFLOOR BOARDS

PRODUCT CATALOGUE FOR 2025

DRY LINING **KNAUF BRIO** BOARDS

Milled KNAUF BRIO composite board
1200 x 600 gypsum-fibre board

PRODUCT DESCRIPTION:

- Energy-efficient floor heating
- 18 or 23 mm thick gypsum-fibre board
- Single- and two-layer dry jointless floor system component
- Brio board features milled overlapping edges connected with an adhesive and screws

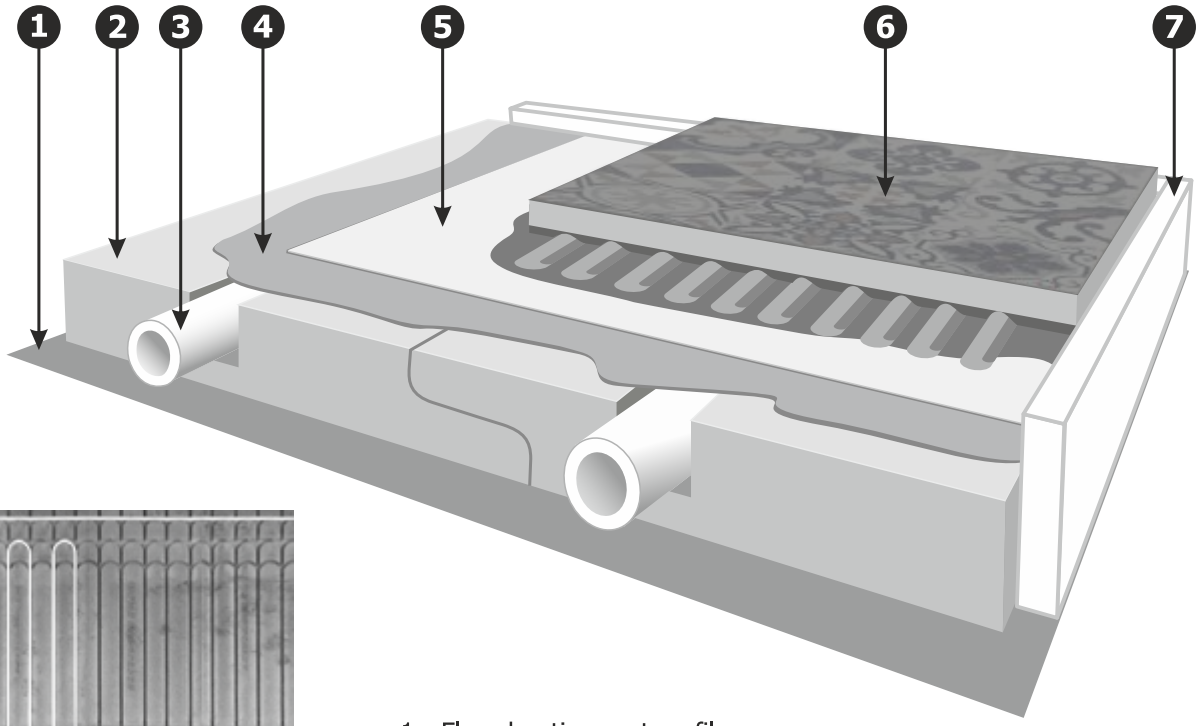
APPLICATION:

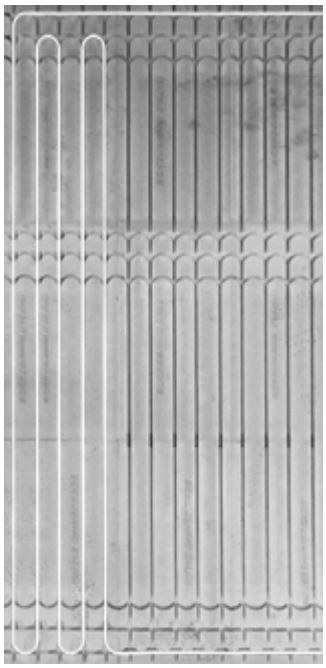
- Dry jointless floors in both new and renovated apartments, offices, hotels, public buildings, etc.
- Suitable for traditional (brick and mortar) as well as wooden (pole and modular) buildings

FEATURES:

- Easy installation
- High impact resistance
- No thermal bridges along board connection points
- Milled grooves for laying floor heating systems of the following sizes:
  Fi12 and Fi16 with 100, 120 or 150 mm spacing at centres

SPECIFICATION OF KNAUF BRIO 23 COMPOSITE BOARDS		
Dimensions	1200 x 600 x 23 mm	
Tube groove diameter	ø12 mm or ø16 mm	
Spacing at centres	100 mm or 120 mm	
No. of pieces on a pallet	50 pcs./36 m^2	
Floor structural height (w/o finishing)	~23 mm	
Weight	approx. 25 kg/m^2	
Reaction to fire	A2-s1,d0	EN 15283-2
Permeability coefficient [μ]	10/4 (EN ISO 10456)	EN 15283-2
Heat transfer coefficient [λ]	0.25 (W/mK)	EN 15283-2
Bending strength	Approved	EN 15283-2
Wear / performance	1.39 pcs./m^2	





1 - Floor heating system film
2 - Mill Knauf BRIO 18 or 23 composite board
3 - PEX tube
4 - Floor equalizer
5 - Mapei VLIES de-coupling membrane
6 - Finishing panel or tiles
7 - Edge strip

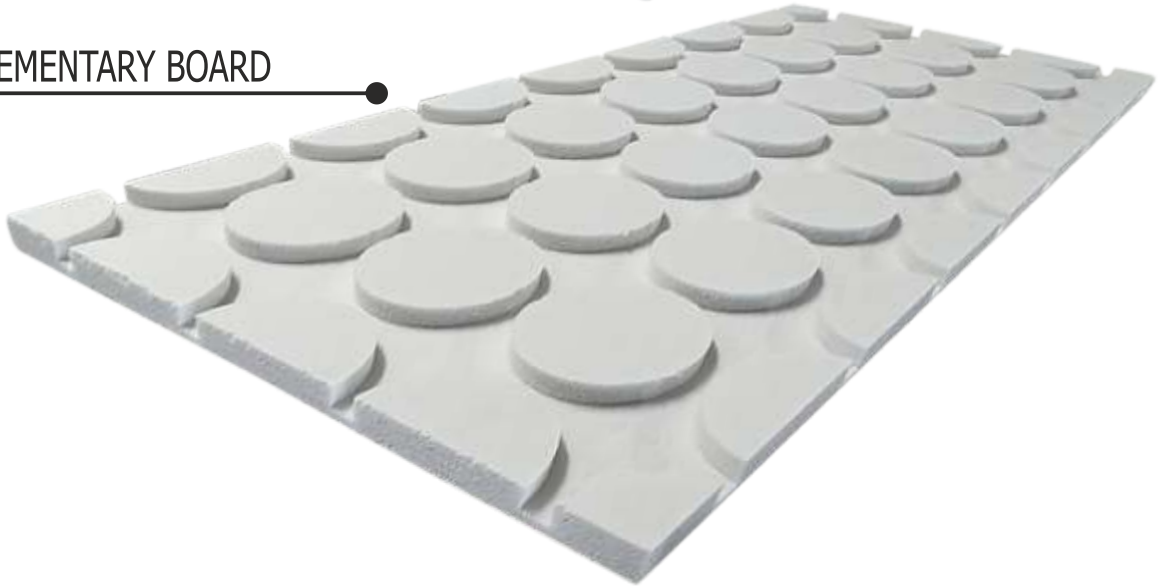
Floating floor made with Mill Knauf BRIO dry lining composite boards

SPECIFICATION OF KNAUF BRIO 18 COMPOSITE BOARDS		
Dimensions	1200 x 600 x 18 mm	
Tube groove diameter	ø10 mm or ø12 mm	
Spacing at centres	100 mm or 120 mm	
No. of pieces on a pallet	70 pcs./50,4 m^2	
Floor structural height (w/o finishing)	~18 mm	
Weight	approx. 18,5 kg/m^2	
Reaction to fire	A2-s1,d0	EN 15283-2
Permeability coefficient [μ]	10/4 (EN ISO 10456)	EN 15283-2
Heat transfer coefficient [λ]	0.25 (W/mK)	EN 15283-2
Bending strength	Approved	EN 15283-2
Wear / performance	1.39 pcs./m^2	

MillBoard™ XPS 300 board

BASE BOARD

COMPLEMENTARY BOARD



PRODUCT DESCRIPTION:

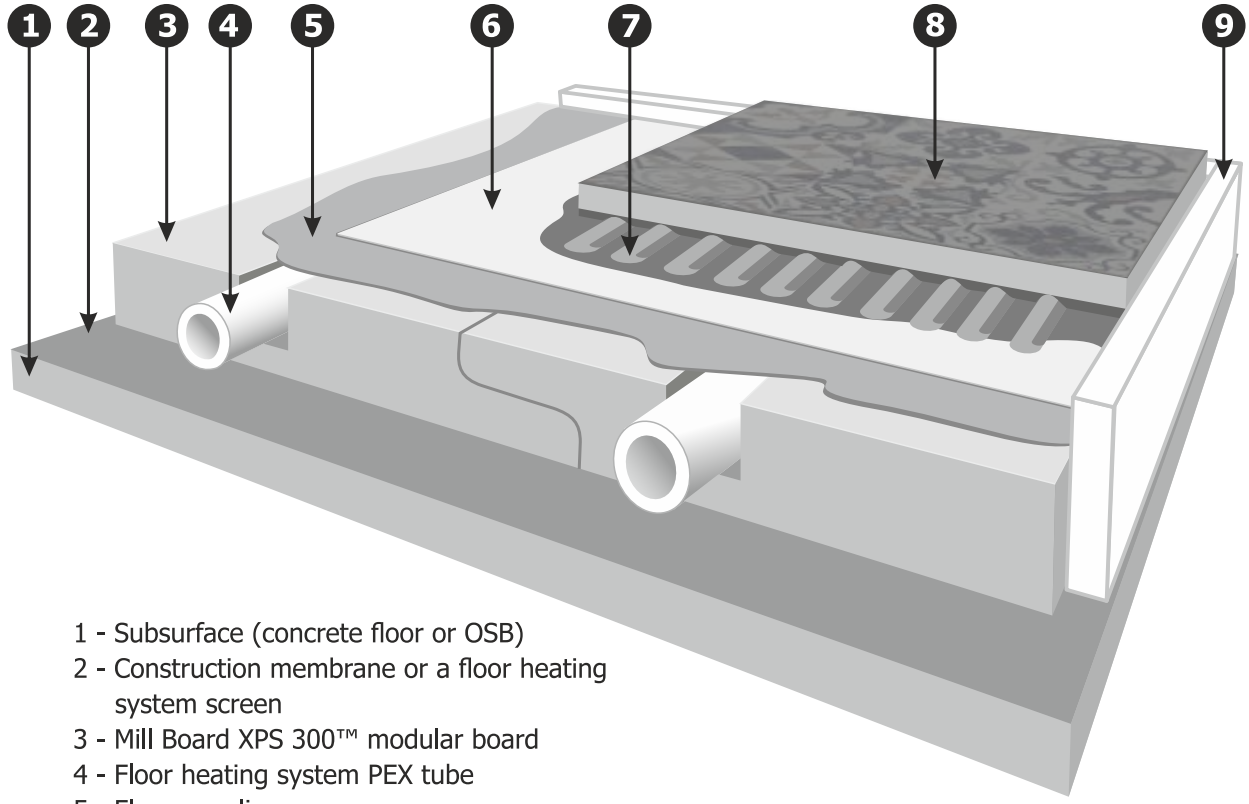
- 25 mm thick XPS300 insulating board
- MillBoard XPS300 features straight line edges connected with a highly deformable, S2 class adhesive

APPLICATION:

- Dry jointless floors in both new and renovated apartments, of fices, hotels, public buildings, etc.
- Suitable for traditional (brick and mortar) as well as wooden (pole and modular) buildings

FEATURES:

- Easy installation
- Direct application onto OSB Milled grooves for laying floor heating systems of the following sizes: Fi12 and Fi16 with 100 or 125 mm spacing at centres



1 - Subsurface (concrete floor or OSB)
2 - Construction membrane or a floor heating system screen
3 - Mill Board XPS 300™ modular board
4 - Floor heating system PEX tube
5 - Floor equalizer
6 - Mapei VLIES de-coupling membrane
7 - S2 class highly deformable adhesive
8 - Finishing panel or tiles
9 - Edge strip

Mill Board XPS 300™ modular boards should be fixed to the subsurface with an S2 class, highly deformable adhesive.

TECHNICAL DATA XPS 300 board with a thickness of 300 mm		
Dimensions	1250 x 600 x 30 mm	EN 13164:2012 +A1:2015
Dimensions stability	< 5 DS(TH) %	
Tube groove diameter	ø16 mm	
Spacing at centres	120 mm	
No. of pieces in a package	20 pcs./15 m^2	
Floor structural height (w/o finishing)	~30 mm	
Weight	~0,95 kg/m^2	
Reaction to fire	F	
Compressive strenght at 10% deformability	>300 kPa	
Heat transfer coefficient [λ]	0.34 (W/mK)	
Thermal resistance	0,8 m^2.K/W	
Water absorption at long-term immersion	<0,7 WL(T) %	
Wear / performance	1.33 pcs./m^2	

FERMACELL® THERM 25™
DRY LINING SYSTEMS

Quick and 100% dry solution for your floor design

The fermacell® Therm25™floor heating element is made of a 25 mm thick fermacell® gypsum-fibre board. The fermacell® gypsum-fibre board is a homogeneous gypsum board with a factory made hydrophobic finish, with paper fibres, for application in dry lining systems. The top side is milled through a special system and enables rational laying of the heating system with subsequent installation of the floor heating system tubes. The fermacell® Therm25™ floor heating element is, within a single system, a load transferring and a floor heating layer. To make the system complete, a top fermacell® gypsum-fibre board is installed, connected with an adhesive and screws or staples, as an additional layer over or under the fermacell® Therm25™ element. The fermacell® Therm25™ element is available in 2 different variants:

fermacell® Therm25™ element - a standard board with lengthwise cuts for the installation of a heating installation on the entire surface of the heating system.

round fermacell® Therm25™ element - a supplementary element for, e.g., door penetrations, where tubes are being connected within a zone.

AREAS OF APPLICATION:

FOR HOUSEHOLD SURFACES	Area of application 1* (Max. allowable spot load – 1.0 kN; Max. allowable surface load – 1.5/ 2.0 kN/m2) with an additional layer of ≥ 10 mm fermacell® gypsum-fibre board, glued and mechanically joined on the entire surface of fermacell® Therm25™.
FOR INDUSTRIAL SURFACES	Area of application 2* (Max. allowable spot load – 2.0 kN; Max. allowable surface load – 2.0 kN/m2) with an additional layer of ≥ 10 mm fermacell® gypsum-fibre board, glued and mechanically joined on the entire surface of fermacell® Therm25™.

NOTES

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