



Uponor

Uponor Minitec

SUMMARY OF RECOMMENDED
LEVELLING MATERIALS

System description

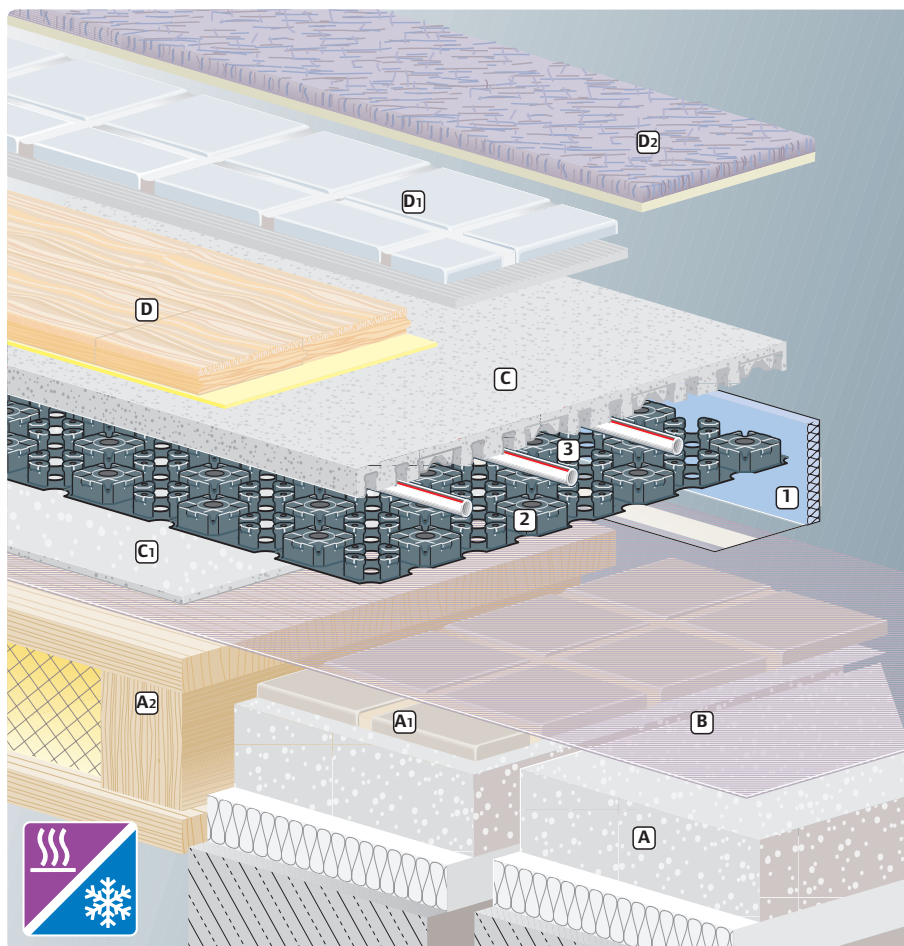
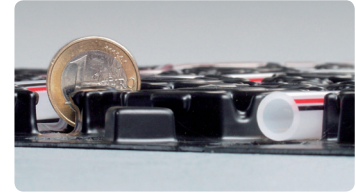
Low element height, rapid regulation

Rapid laying, short heating-up periods: the Uponor Minitec renovation system offers multiple advantages. The Uponor Minitec foil element can simply be laid on the existing screed, wooden or tile covering in order to fasten the PEXa pipes in dimension 9.9 x 1.1 mm. Thanks to the low construction height of only "one centimeter" the system is perfectly fit for renovation .

There are prefabricated holes in the fixation nubs and intermediate areas at regular intervals which ensure after the piping has been laid that the leveling material flows in smoothly and is able to bind directly

with the substrate. In addition the backside of the foil-element has a self-adhesive layer – a fixed bond between the substrate and the system is also ensured during mounting. The self-adhesive edge insulation strip with an L-profile ensures reliable sealing toward the wall.

The leveling layer is applied until just above the studs so that an installation height of only 15 mm results. After a short drying time the desired top flooring covering can be laid placed on it. Through the direct proximity of the top surface covering to the pipe, quick heatingup periods and thus fast-reacting regulation with low hot water temperatures results.



- 1** Uponor edge insulation strips
- 2** Uponor sheeting element
- 3** Uponor PE-Xa pipe 9.9 x 1.1 mm
- A** Existing screed with thermal and footfall sound insulation under it
- A1** With tile covering
- A2** Wooden beam ceiling
- B** Priming of the prepared substrate
- C** Self-flowing leveling material
- C1** Additional leveling layer at a wooden beam ceiling
- D** Parquet with parquet adhesive
- D1** Tile covering with tile adhesive and joint grout
- D2** Carpet covering with carpet adhesive



Overview of the different levelling layers of various manufacturers in combination with Uponor Minitec low-structure system

The tables on the following pages list the component systems of various manufacturers with which the Uponor Minitec low-structure system can be laid on various existing substrates (load distribution layer), with diverse new top floor coverings.

In addition they list manufacturer specifications about the respective structure height required and the times required.

According to the specifications of the respective manufacturers the components listed have been approved for use with Uponor Minitec.

However, the respective manufacturer's specifications must be taken into account, because we cannot accept any responsibility for the manufacturers' technical advices being complete, correct or up-to-date.

In addition, the foorer must check the suitability for the respective concrete application. Corresponding coordination and agreement between the trades for the leveling layer, installation and top floor covering are imperative for the coordination of the construction site realization.

Manufacturers (in alphabetical order)

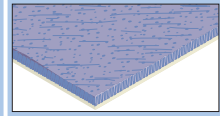
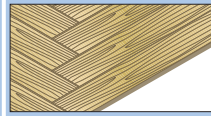
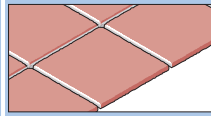
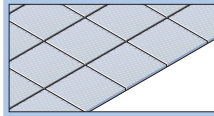
- Ardex 4
- Bostik 5
- Botament 7
- Henkel 9
- Kiesel 10
- Knauf 12
- Mapei 14
- PCI 16
- Quick-Mix 18
- Sakret 19
- Schönox 20
- Sopro 22
- Wakol 23
- Weber 24
- Wico 26



Manufacturer



New top floor covering



Existing ground

Tile

Natural stone

Parquet

Carpet, linoleum, PVC

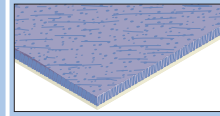
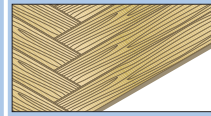
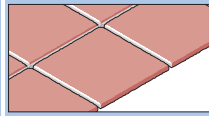
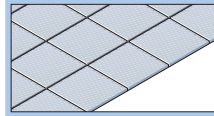
Screed		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
	Primer	Ardex P51	Ardex P51	Ardex P51	Ardex P51
	Levelling material for Minitec	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80
	Adhesive	Ardex X78	Ardex S28+Ardex E90	Ardex Premium AF 2420	Ardex Premium AF 2200
	Joint grout	Ardex G8 S FLEX	Ardex MG		
	Primer	Ardex EP 2000 or ARDEX P4	Ardex EP 2000 or ARDEX P4	Ardex EP 2000 or ARDEX P4	Ardex EP 2000 or ARDEX P4
	Sanding (only required for Ardex EP 2000)	Quartz sand (grain size 0.3 mm - 0.6 mm)	Quartz sand (grain size 0.3 mm - 0.6 mm)	Quartz sand (grain size 0.3 mm - 0.6 mm)	Quartz sand (grain size 0.3 mm - 0.6 mm)
	Levelling material for Minitec	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80	Ardex FA 20 Ardex K 80
	Adhesive	Ardex X78	Ardex S28+Ardex E90	Ardex Premium AF 2420	Ardex Premium AF 2200
	Joint grout	Ardex G8 S FLEX	Ardex MG		

	Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
Ardex	≥ 15 mm	≥ 2 hours	After 3 days / for 2 days	2 days after functional heating	≥ 7 days

Manufacturer



New top floor covering

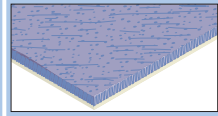
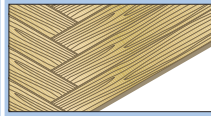
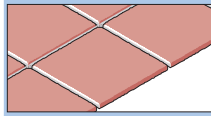
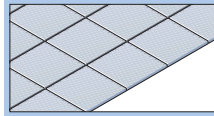


Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Nibogrund G17 - cement screed; Nibogrund E30 - anhydrite (floating) screed	Nibogrund G17 - cement screed; Nibogrund E30 - anhydrite (floating) screed	Nibogrund G17 - cement screed; Nibogrund E30 - anhydrite (floating) screed	Nibogrund G17 - cement screed; Nibogrund E30 - anhydrite (floating) screed
	Levelling material for Minitec	Niboplan DE	Niboplan DE	Niboplan DE	Niboplan DE
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Nibofloor PK Elastic	Bostik Power Tex
	Joint grout	Ardal Flexfluge	Ardal Flexfluge		
Tiles 	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Nibogrund E30	Nibogrund E30	Nibogrund E30	Nibogrund E30
	Levelling material for Minitec	Niboplan DE	Niboplan DE	Niboplan DE	Niboplan DE
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Nibofloor PK Elastic	Bostik Power Tex
	Joint grout	Ardal Flexfluge	Ardal Flexfluge		
Wood planks, chipboards, dry screed 	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Nibogrund Elasto Fill	Nibogrund Elasto Fill	Nibogrund Elasto Fill	Nibogrund Elasto Fill
	Filler layed - min. 3 mm	Niboplan FA 600	Niboplan FA 600	Niboplan FA 600	Niboplan FA 600
	Board adhesive	Flexmörtel	Flexmörtel	Flexmörtel	Flexmörtel
	Isolation layer	Tile insulating board	Tile insulating board	Tile insulating board	Tile insulating board
	Levelling material for Minitec	Niboplan DE	Niboplan DE	Niboplan DE	Niboplan DE
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Nibofloor PK Elastic	Bostik Power Tex
	Joint grout	Ardal Flexfluge	Ardal Flexfluge		
Poured asphalt 	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Bostik Nibogrund E 30 only at restoration	Bostik Nibogrund E 30 only at restoration	Bostik Nibogrund E 30 only at restoration	Bostik Nibogrund E 30 only at restoration
	Establishing evenness	Bostik Niboplan 300 max. 5 mm overall thickness	Bostik Niboplan 300 max. 5 mm overall thickness	Bostik Niboplan 300 max. 5 mm overall thickness	Bostik Niboplan 300 max. 5 mm overall thickness
	Board adhesive	Ardal Flexmörtel	Ardal Flexmörtel	Ardal Flexmörtel	Ardal Flexmörtel
	Insulation layer	Ardal tile insulating board	Ardal tile insulating board	Ardal tile insulating board	Ardal tile insulating board
	Levelling material for Minitec	Bostik Niboplan DE min. 3 mm coverage, max. 20 mm total	Bostik Niboplan DE min. 3 mm coverage, max. 20 mm total	Bostik Niboplan DE min. 3 mm coverage, max. 20 mm total	Bostik Niboplan DE min. 3 mm coverage, max. 20 mm total
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Bostik Nibofloor PK Elastic	Bostik Power Tex
	Joint grout	Ardal Flexfluge	Ardal Flexfluge		
Concrete floor 	Preparation of the substrate	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Bostik Nibogrund E 30	Bostik Nibogrund E 30	Bostik Nibogrund E 30	Bostik Nibogrund E 30
				Caution! At the subsequent parquet coverings the epoxy-resin primer Nibogrund E 30 has to be applied 2x in order to prevent capillary-suction moisture.	

Manufacturer



New top floor covering



Existing ground

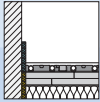
Tile

Natural stone

Parquet

Carpet, linoleum, PVC

Gypsum fiber boards



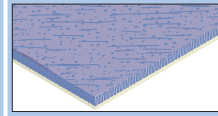
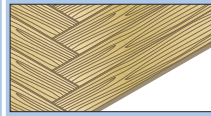
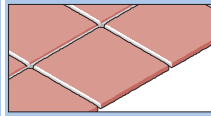
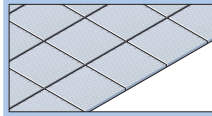
Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Gypsum fiber boards	Levelling material	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Bostik Nibofloor PK Elastic	Bostik Power Tex
	Joint grout	Ardal Flexfluge	Ardal Flexfluge		
	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Bostik Nibogrund G17	Bostik Nibogrund G17	Bostik Nibogrund G17	Bostik Nibogrund G17
	Establishing evenness	Bostik Niboplan Fa 600 min. 3 mm / max.15 mm	Bostik NiboplanFa 600 min. 3 mm / max. 15 mm	Bostik NiboplanFa 600 min. 3 mm / max. 15 mm	Bostik Niboplan Fa 600 min. 3 mm / max. 15 mm
	Board adhesive	Ardal Flexmörtel	Ardal Flexmörtel	Ardal Flexmörtel	Ardal Flexmörtel
	Insulation layer	Ardal tile insulating board	Ardal tile insulating board	Ardal tile insulating board	Ardal tile insulating board
	Levelling material for Minitec	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm	Bostik Niboplan DE min. 3 mm above pipe / max. 20 mm
	Adhesive	Ardal Floorflex	Ardal Ardaflex Marmor	Bostik Nibofloor PK Elastic	Bostik Power Tex
Joint grout	Ardal Flexfluge	Ardal Flexfluge			

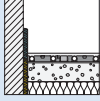
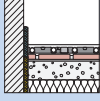
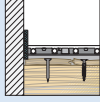

	Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
Bostik	≥ 15 mm	≥ 3 hours	After 3 days / for 2 days	1 day after functional heating	≥ 6 days

Manufacturer

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SYSTEMBAUSTOFFE 

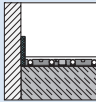
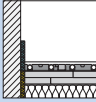
New top floor covering

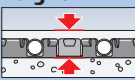






Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Preparation	Cleaning / removing loose parts	Cleaning / removing loose parts	Cleaning / removing loose parts	Cleaning / removing loose parts
	Primer substrate	BOTACT D 11	BOTACT D 11	BOTAFLOOR G 110	BOTAFLOOR G 110
	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 220 (cement screed) BOTAFLOOR A 240 (anhydrite screed)	BOTAFLOOR A 220 (cement screed) BOTAFLOOR A 240 (anhydrite screed)
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material				
	Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
Tiles 	Preparation	Cleaning / degreasing	Cleaning / degreasing	Cleaning / degreasing	Cleaning / degreasing
	Primer substrate	BOTACT D 15	BOTACT D 15	BOTAFLOOR G 120	BOTAFLOOR G 120
	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 220	BOTAFLOOR A 220
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material				
	Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
Wood planks, chipboards, dry screed 	Preparation	Cleaning / rescrewing	Cleaning / rescrewing	Cleaning / rescrewing	Cleaning / rescrewing
	Primer substrate	BOTACT D 15 (wood-based and non-absorbing substrates) BOTACT D 11 (absorbing, mineral substrates)	BOTACT D 15 (wood-based and non-absorbing substrates) BOTACT D 11 (absorbing, mineral substrates)	BOTAFLOOR G 120 (wood-based and non-absorbing substrates) BOTAFLOOR G 110 (absorbing, mineral substrates)	BOTAFLOOR G 120 (wood-based and non-absorbing substrates) BOTAFLOOR G 110 (absorbing, mineral substrates)
	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 260	BOTAFLOOR A 260
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material				
	Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
Poured asphalt 	Preparation	Cleaning / removing loose parts	Cleaning / removing loose parts	Cleaning / removing loose parts	Cleaning / removing loose parts
	Primer substrate	BOTACT D 15	BOTACT D 15	BOTAFLOOR G 120	BOTAFLOOR G 120
	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 260	BOTAFLOOR A 260
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material				
	Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
	Joint grout	MULTIFUGE MULTIFUGE narrow	MULTIFUGE MULTIFUGE narrow		
	Preparation	Sand off / vacuum clean	Sand off / vacuum clean	Sand off / vacuum clean	Sand off / vacuum clean
	Primer substrate	BOTACT D 11	BOTACT D 11	BOTAFLOOR G 110	BOTAFLOOR G 110

Manufacturer

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SYSTEMBAUSTOFFE ■■■

Existing ground		New top floor covering			
		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Concrete floor 	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 220	BOTAFLOOR A 220
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
	Joint grout	MULTIFUGE MULTIFUGE narrow	MULTIFUGE MULTIFUGE narrow		
Gypsum fiber boards 	Preparation	Cleaning / rescrewing	Cleaning / rescrewing	Cleaning / rescrewing	Cleaning / rescrewing
	Primer substrate	BOTACT D 11	BOTACT D 11	BOTAFLOOR G 110	BOTAFLOOR G 110
	Levelling material for Minitec	BOTACEM M 53 Extra	BOTACEM M 53 Extra	BOTAFLOOR A 260	BOTAFLOOR A 260
	Primer	BOTACT D 11	BOTACT D 11		
	Levelling material Adhesive	BOTACT M 29 HP MULTISTAR	MULTISTONE	BOTAFLOOR P 450	BOTAFLOOR T 350 (carpet) BOTAFLOOR L 610 (linoleum) BOTAFLOOR K 550 (PVC)
	Joint grout	MULTIFUGE MULTIFUGE narrow	MULTIFUGE MULTIFUGE narrow		

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period 
Botament	≥ 15 mm	≥ 3 hours	After 3 days / for 2 days	1 day after functional heating	≥ 6 days

The latest manufacturer specification have primary importance and have priority in case of deviations. We accept no liability for the up-to-dateness and correctness of the specifications.

Manufacturer



New top floor covering

Existing ground	New top floor covering				
	Tile	Natural stone	Parquet	Carpet, linoleum, PVC	
Screed 	Primer	Ceresit CT17, CN94	Ceresit CT17, CN94	Thomsit R766	Thomsit R766
	Levelling material for Minitec	Ceresit CN72, CN73	Ceresit CN72, CN73	Thomsit XXL-Xpress Thomsit DS40	Thomsit XXL-Xpress Thomsit DS40
	Adhesive	Ceresit CM24, CM90	Ceresit CM15, CM25	Thomsit P618, P625, P685	Thomsit T440, T410, TK199
	Joint grout	Ceresit CE37, CE46	Ceresit CE38, CE42		
Tiles 	Basic cleaning	Thomsit PRO040 / black pad rinsing / sanding off	Thomsit PRO040 / black pad rinsing / sanding off	Thomsit PRO040 / black pad rinsing / sanding off	Thomsit PRO040 / black pad rinsing / sanding off
	Primer	Ceresit CK740	Ceresit CK740	Thomsit R755 Epoxy primer	Thomsit R755 Epoxy primer
	Sanding	Quartz sand (grain size 0.3 mm - 0.7 mm)	Quartz sand (grain size 0.3 mm - 0.7 mm)	Quartz sand (grain size 0.3 mm - 0.7 mm) alternatively: Thomsit R790 or R766	Quartz sand (grain size 0.3 mm - 0.7 mm) alternatively: Thomsit R790 or R766
	Levelling material for Minitec	Ceresit CN72, CN73	Ceresit CN72, CN73	Thomsit XXL-Xpress Thomsit DS40	Thomsit XXL-Xpress Thomsit DS40
	Adhesive	Ceresit CM24, CM90	Ceresit CM15, CM25	Thomsit P618, P625, P685	Thomsit T440, T410, TK199
	Joint grout	Ceresit CE37, CE46	Ceresit CE38, CE42		
Wood planks, laying plates 	Primer	Ceresit CT17, CN94	Ceresit CT17, CN94	Thomsit R790	Thomsit R790
	Levelling material for Minitec	Ceresit CN72, CN73	Ceresit CN72, CN73	Thomsit XXL-Xpress Thomsit DS40	Thomsit XXL-Xpress Thomsit DS40
	Adhesive	Ceresit CM24, CM90	Ceresit CM15, CM25	Thomsit P618, P625, P685	Thomsit T440, T410, TK199
	Joint grout	Ceresit CE37, CE46	Ceresit CE38, CE42		

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
Thomsit XXL-Xpress	> 15/20 mm ^{a)}	> 2 hours	After 2 days / for 2 days	1 day after functional heating	> 5 days
Thomsit DS40	> 15/20 mm ^{a)}	> 2 hours	After 3 days / for 2 days ^{b)}	1 day after functional heating	> 6 days

^{a)} At tile, natural stone and parquet as new floor covering: > 15 mm structure height, at carpet, linoleum and PVC as new floor covering > 20 mm structure height

^{b)} Max. operating temperature 45 °C

Manufacturer



		New top floor covering			
Existing ground					
		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar
	Joint grout	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon		
Tiles 	Cleaning	Okamul GR	Okamul GR	Okamul GR	Okamul GR
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar
Wooden substrate 	Preparation	If applicable, sand off, vacuum clean, close joints with Oka Cryl	If applicable, sand off, vacuum clean, close joints with Oka Cryl	If applicable, sand off, vacuum clean, close joints with Oka Cryl	If applicable, sand off, vacuum clean, close joints with Oka Cryl
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation / Thermal insulation	Oktaphone 9, 15	Oktaphone 9, 15	Oktaphone 9, 15	Oktaphone 9, 15
	Primer	2 x Okamul PU-V schnell 1 x Okatmos® UG 30	2 x Okamul PU-V schnell 1 x Okatmos® UG 30	2 x Okamul PU-V schnell 1 x Okatmos® EG 20	2 x Okamul PU-V schnell 1 x Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar

Manufacturer



New top floor covering

Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Poured asphalt 	Joint grout	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon		
	Preparation / cleaning	If applicable, sand off, vacuum clean / Okamul GR	If applicable, sand off, vacuum clean / Okamul GR	If applicable, sand off, vacuum clean / Okamul GR	If applicable, sand off, vacuum clean / Okamul GR
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation / Thermal insulation	Oktafone 9, 15	Oktafone 9, 15	Oktafone 9, 15	Oktafone 9, 15
	Primer	2 x Okamul PU-V schnell 1 x Okatmos® UG 30	2 x Okamul PU-V schnell 1 x Okatmos® UG 30	2 x Okamul PU-V schnell 1 x Okatmos® EG 20	2 x Okamul PU-V schnell 1 x Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar
Concrete floor 	Joint grout	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon		
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar
	Joint grout	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon		
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P
Gypsum fiber boards a) 	Isolation layer	Isolation fabric or Okaphone 4	Isolation fabric or Okaphone 4	Okavlies or Okaphone 4	Okaphone 4 / Servoplan S 444 (max. 5 mm)
	Adhesive	Servoflex K-plus SuperTec / Servoflex-Trio-SuperTec / Servolight	Servostar 4000 / Servoflex K-schnell / Servoflex-Trio-schnell SuperTec	Bakit EK new / Bakit PU-P / Bakit EK	Okatmos megaStar
	Joint grout	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon	Servoperl-schnell / Servoflex F / Oka Color / Oka Silicon		
	Primer	Okatmos® UG 30	Okatmos® UG 30	Okatmos® EG 20	Okatmos® EG 20
	Levelling material for Minitec	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus	Servoplan S 444 / P 200 Plus
	Board adhesive	Servoflex K-schnell	Servoflex K-schnell	Bakit EK new / Bakit PU-P	Bakit EK new / Bakit PU-P

Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
 ≥ 15 mm	 ≥ 2 hours	 After 3 days / for 4 days ^{b)}	 1 day after functional heating ^{c)}	 ≥ 8 days

^{a)} Floor elements screwed downwards

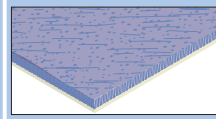
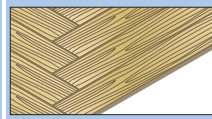
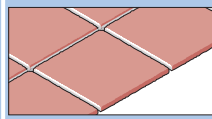
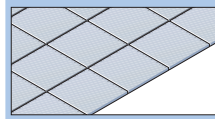
^{b)} Consulting AWT / surface temperature parquet max. 27 °C

^{c)} Substrate temperature max. 20 °C

Manufacturer



New top floor covering



Existing ground

Tile

Natural stone

Parquet

Carpet, linoleum, PVC

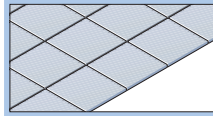
Composite structure with existing substrate

Existing ground	Preparation of the substrate	Levelling material for Minitec	Tile	Preparation of the substrate	Levelling material for Minitec	Natural stone	Preparation of the substrate	Levelling material for Minitec	Parquet	Preparation of the substrate	Levelling material for Minitec	Carpet, linoleum, PVC	Preparation of the substrate	Levelling material for Minitec
	2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		• Close any joints • Knauf special bonding primer • Knauf Faserflex 2 mm	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		Sand off and vacuum clean • 2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430
	2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		• Close any joints • Knauf special bonding primer • Knauf Faserflex 2 mm	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		Sand off and vacuum clean • 2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430
	2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		• Close any joints • Knauf special bonding primer • Knauf Faserflex 2 mm	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		Sand off and vacuum clean • 2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430
	2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		• Close any joints • Knauf special bonding primer • Knauf Faserflex 2 mm	• Knauf Levelling Screed 425 • Knauf Alphasur 430		2 x Knauf FE impregnation + coarse sand 0.5 mm - 2 mm, Approx. 1.5 kg/m ²	• Knauf Levelling Screed 425 • Knauf Alphasur 430		Sand off and vacuum clean • 2 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425 • Knauf Alphasur 430
	1 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425		1 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425		1 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425		1 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425		1 x Knauf screed primer diluted 1:1 with water	• Knauf Levelling Screed 425

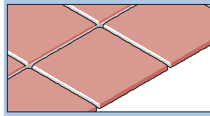
Manufacturer



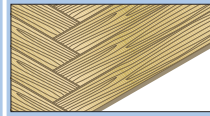
New top floor covering



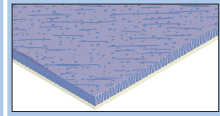
Tile



Natural stone



Parquet



Carpet, linoleum, PVC

Existing ground

On separating layer / insulation layer on existing substrate:

Insulation / isolating layer	Preparation of the substrate	Levelling material for Minitec	Tile	Natural stone	Parquet	Carpet, linoleum, PVC
			<ul style="list-style-type: none"> • Knauf Schrenzlage up to 20 mm • Wood fiber insulaton up to 20 mm • EPS DEO insulaton up to 40 mm 	<ul style="list-style-type: none"> • Knauf Schrenzlage up to 20 mm • Wood fiber insulaton up to 20 mm • EPS DEO insulaton up to 40 mm 	<ul style="list-style-type: none"> • Knauf Schrenzlage up to 20 mm • Wood fiber insulaton up to 20 mm • EPS DEO insulaton up to 40 mm 	<ul style="list-style-type: none"> • Knauf Schrenzlage up to 20 mm • Wood fiber insulaton up to 20 mm • EPS DEO insulaton up to 40 mm
	<ul style="list-style-type: none"> • Knauf Leveling Screed 425 (tile edge length max. 60 cm) 	<ul style="list-style-type: none"> • Knauf Leveling Screed 425 (natural stone edge length max. 40 cm) 	<ul style="list-style-type: none"> • Knauf Leveling Screed 425 (mosaic and multi-layer parquet bondable, other parquet types on request) 	<ul style="list-style-type: none"> • Knauf Leveling Screed 425 (possibly leveling with Knauf Levelling Filler 415 after preceding priming with Knauf screed primer diluted 1:1 with water) 	<ul style="list-style-type: none"> • Knauf Leveling Screed 425 (possibly leveling with Knauf Levelling Filler 415 after preceding priming with Knauf screed primer diluted 1:1 with water) 	

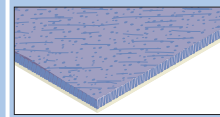
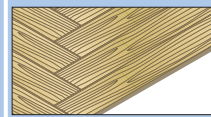
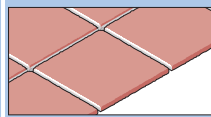
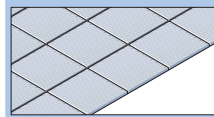
	Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
Alphadur 430	 ≥ 16 mm in composite	 ≥ 3 hours	 With accessibility / for 6 days	 1 day after functional heating	 ≥ 7 days
Levelling Screed 425	≥ 20 mm in composite	≥ 5 hours	After 2 days / for 4 days	1 day after functional heating	≥ 7 days
Levelling Screed 425	≥ 32 mm in isolating layer / insulating layer	≥ 5 hours	After 2 days / for 4 days	1 day after functional heating	≥ 9 days

^{a)} Approx. 24 hours waiting period each between the primer coatings and laying of the leveling screed
^{b)} In case of plastic deformation not suitable as substrate

Manufacturer



New top floor covering

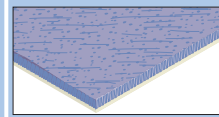
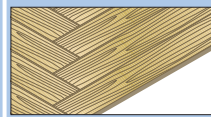
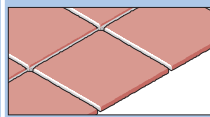
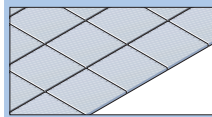


Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water
	Levelling material	Ultraplan Maxi or Planitex D10	Ultraplan Maxi or Planitex D10	Ultraplan Maxi or Planitex D10 + fibers	Ultraplan Maxi or Planitex D10
	Adhesive	Keraflex Maxi S1, Ultralite S1	Keraquick Mapestone 1	Ultrabond Eco S 955 1K Ultrabond Eco P 909 2K	Ultrabond Eco 540 (linoleum) Ultrabond Eco V4 SP (carpet, PVC)
	Grouting	Keracolor FL-S Flexfuge	Ultracolor Plus		
	Silicone	Mapesil AC	Mapesil LM		
	Primer	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm
	Levelling material	Ultraplan Maxi or Planitex D10	Ultraplan Maxi or Planitex D10	Planitex D10 + fibers	Planitex D10
	Adhesive	Keraflex Maxi S1, Ultralite S1	Keraquick Mapestone 1	Ultrabond Eco S 955 1K Ultrabond Eco P 909 2K	Ultrabond Eco 540 (linoleum) Ultrabond Eco V4 SP (carpet, PVC)
	Grouting	Keracolor FL-S Flexfuge	Ultracolor Plus		
	Silicone	Mapesil AC	Mapesil LM		
Wood planks, laying plates 	Primer	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm	Primer MF, sand off with quartz sand with grain size 0.4 mm - 0.7 mm
	Levelling material	Planitex D10 + fibers	Planitex D10 + fibers	Planitex D10 + fibers	Planitex D10 + fibers
	Adhesive	Ultraflex S2 Mono	Elastorapid	Ultrabond Eco S 955 1K Ultrabond Eco P 909 2K	Ultrabond Eco 540 (linoleum) Ultrabond Eco V4 SP (carpet, PVC)
	Grouting	Keracolor FL-S Flexfuge	Ultracolor Plus		
	Silicone	Mapesil AC	Mapesil LM		
Poured asphalt 	Primer	Please contact the application-specific office of the manufacturer			
	Levelling material				
	Adhesive				
	Grouting				
	Silicone				

Manufacturer



New top floor covering



Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Concrete floor^{a)} 	Primer	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water
	Levelling material	Ultraplan Maxi	Ultraplan Maxi	Ultraplan Maxi	Ultraplan Maxi
	Adhesive	Keraflex Maxi S1, Ultralite S1	Keraquick Mapestone 1	Ultrabond Eco S 955 1K Ultrabond Eco P 909 2K	Ultrabond Eco 540 (linoleum) Ultrabond Eco V4 SP (carpet, PVC)
	Grouting	Keracolor FL-S Flexfuge	Ultracolor Plus		
	Silicone	Mapesil AC	Mapesil LM		
Gypsum fiber boards 	Primer	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water	Primer G; diluted 1:1 with water
	Levelling material	Planitex D10	Planitex D10	Planitex D10 + fibers	Planitex D10
	Adhesive	Ultraflex S2 Mono	Elastorapid	Ultrabond Eco S 955 1K Ultrabond Eco P 909 2K	Ultrabond Eco 540 (linoleum) Ultrabond Eco V4 SP (carpet, PVC)
	Grouting	Keracolor FL-S Flexfuge	Ultracolor Plus		
	Silicone	Mapesil AC	Mapesil LM		

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
Mapei Ultraplan Maxi	≥ 15 mm	≥ 3 hours	After 3 days / duration 7 days	After functional heating	Approx. 10 days
Mapei Planitex D10	≥ 15 mm	≥ 3 hours	After 3 days / duration 7 days	After functional heating ^{b)}	Approx. 10 days

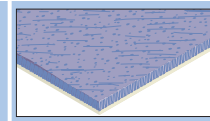
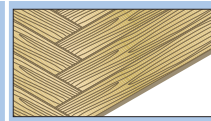
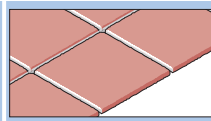
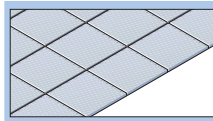
^{a)} Moistening on the rear and capillary-rising moisture from a base plate adjacent to the ground or residual moisture are excluded. In these cases Primer MF is to be used after consultation with the application technology of the manufacturer.

^{b)} Readiness for covering as of a residual moisture content ≤ 0.3 CM %

Manufacturer



New top floor covering

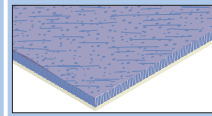
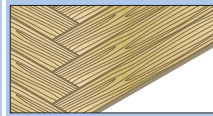
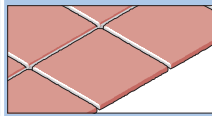
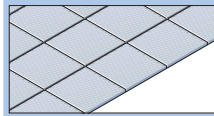


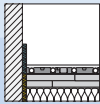
Existing ground		Tile	Natural stone	Parquet ³⁾	Carpet, linoleum, PVC ⁴⁾
Screed 	Primer	PCI Gisogrund 404 ²⁾	PCI Gisogrund 404 ²⁾	Universal pre-coating VG 2 ²⁾	Universal pre-coating VG 2 ²⁾
	Levelling material	PCI Periplan Extra	PCI Periplan Extra	Wooden floor filler HSP 34	Wooden floor filler HSP 34
	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		
Tiles 	Primer	PCI Gisogrund 404	PCI Gisogrund 404	Universal pre-coating VG 2	Universal pre-coating VG 2
	Levelling material	PCI Periplan Extra	PCI Periplan Extra	Wooden floor filler HSP 34	Wooden floor filler HSP 34
	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 / MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		
Wood planks, laying plates 	Primer	PCI Gisogrund 404	PCI Gisogrund 404	Universal pre-coating VG 2	Universal pre-coating VG 2
	Levelling material	PCI Periplan Extra	PCI Periplan Extra	Wooden floor filler HSP 34	Wooden floor filler HSP 34
	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 / MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		
Poured asphalt 	Primer / Sanding	PCI Epoxigrund 390 + Quartz sand 0.3 - 0.8 mm	PCI Epoxigrund 390 + Quartz sand 0.3 - 0.8 mm	Epoxy pre-coating VG 7 Quartz sand 0.3 - 0.8 mm	Epoxy pre-coating VG 7 Quartz sand 0.3 - 0.8 mm
	Filled layer	PCI Periplan fine, approx. 2 - 3 mm	PCI Periplan fine, approx. 2 - 3 mm	Universal filler USP 32 approx. 2 - 3 mm	Universal filler USP 32 approx. 2 - 3 mm
	Primer	PCI Gisogrund 404	PCI Gisogrund 404	Universal pre-coating VG 2	Universal pre-coating VG 2
	Levelling material	PCI Periplan Extra < 17 mm	PCI Periplan Extra < 17 mm	Wooden floor filler HSP 34 < 17 mm	Wooden floor filler HSP 34 < 17 mm
	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 / MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		
Concrete floor 	Primer	PCI Gisogrund 404 or PCI Epoxigrund 390 +	PCI Gisogrund 404 or PCI Epoxigrund 390 +	Universal pre-coating VG2 or Epoxy pre-coating VG 7 ²⁾	Universal pre-coating VG2 or Epoxy pre-coating VG 7 ²⁾
	Levelling material	PCI Periplan Extra min. 5 mm above pipe	PCI Periplan Extra min. 5 mm above pipe	Wooden floor filler HSP 34 min. 5 mm above pipe	Wooden floor filler HSP 34 min. 5 mm above pipe

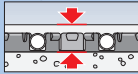




Manufacturer



New top floor covering



Existing ground ¹⁾		Tile	Natural stone	Parquet ³⁾	Carpet, linoleum, PVC ⁴⁾
Gypsum fiber boards 	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 / MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		
	Primer	PCI Gisogrund 404	PCI Gisogrund 404	Universal pre-coating VG 2	Universal pre-coating VG 2
	Establishing evenness	PCI Periplan Extra min. 3 mm	PCI Periplan Extra min. 3 mm	Wooden floor filler HSP 34 min. 3 mm	Wooden floor filler HSP 34 min. 3 mm
	Primer	PCI Gisogrund 404	PCI Gisogrund 404	Universal pre-coating VG 2	Universal pre-coating VG 2
	Levelling material	PCI Periplan Extra min. 5 mm above pipe	PCI Periplan Extra min. 5 mm above pipe	Wooden floor filler HSP 34 min. 5 mm above pipe	Wooden floor filler HSP 34 min. 5 mm above pipe
	Adhesive	PCI Nanoflott light / PCI Rapidflott	PCI Carraflex / PCI Carraflott NT	Powder parquet adhesive PAR 362 / MS parquet adhesive PAR 365	Universal flooring adhesive UKL 302
	Joint grout	PCI Rapidfug	PCI Carrafug		

Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
 ≥ 15 mm	 ≥ 3 hours	 After 1 day / for 2 days* * Begin with a supply temperature of +25 °C and heat for a period of 24 hours at this temperature. Subsequently heat for a further 24 hours with the max. permissible supply temperature. Then switch off the heating	 After cooling down of the filling material to room temperature after the functional heating	 ≥ 3 days

¹⁾ The substrate has to be dry, firm, free of cracks, weight-bearing, free of dust and clean. Oil stains, surfaces reducing adhesion and impurities are to be removed thoroughly. Depending on the condition of the substrate, this has to be prepared correspondingly by means of the suitable measures, for example sanding, shot blasting (if appropriate milling) and vacuum clean using an industrial vacuum cleaner. Tiles / boards that do not adhere firmly have to be removed and imperfections have to be leveled with PCI Rapidflott. Wooden substrates are to be sanded and vacuum cleaned thoroughly. The joints of chipboards / OSB boards have to be glued. Loose, springing or creaking boards are to be fastened by screwing them down. Joints, cracks and holes in wooden substrates are to be closed, for example, with acryl sealant. Existing cover bonding residues are to be sanded carefully. Nevertheless remaining adhesive residues have to be clean and load-bearing as well as adhere firmly to the substrate. Loose adhesive residues may no longer exist. The specifications in the respective technical data sheets are to be observed!

²⁾ In the case of excessive residual moisture of cementitious substrates up to 5 CM %, PCI Epoxigrund 390 or Epoxy pre-coating VG 7 is to be used (apply 2 x and sprinkle with quartz sand.).

³⁾ Minitec may not be used for cooling under parquet / laminate!

⁴⁾ If the floor covering places higher requirements on the level tolerances than specified in DIN 18202 Table 3 Row 3, a thin layer with a suitable PCI floor leveling compound is to be applied before the floor covering is laid.

Manufacturer



New top floor covering

Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	Bonding emulsion HE, or at anhydrite substrates epoxy resin primer EG and sand	Bonding emulsion HE, or at anhydrite substrates epoxy resin primer EG and sand	Bonding emulsion HE, or at anhydrite substrates epoxy resin primer EG and sand	Bonding emulsion HE, or at anhydrite substrates epoxy resin primer EG and sand
	Levelling material for Minitec	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50
	Sealing			Epoxy resin protective coating ESA	Epoxy resin protective coating ESA
	Adhesive	Flexkleber FX 900 / Flexkleber FX 930	Marmorkleber MK 900 / Marmorkleber schnell MK 911		
	Joint grout	Flexfuge FF 911	Marmorfuge MF 911		
Tiles 	Primer	Quartz primer QG or epoxy resin primer EG and sand	Quartz primer QG or epoxy resin primer EG and sand	Quartz primer QG or epoxy resin primer EG and sand	Quartz primer QG or epoxy resin primer EG and sand
	Levelling material for Minitec	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50
	Sealing			Epoxy resin protective coating ESA	Epoxy resin protective coating ESA
	Adhesive	Flexkleber FX 900 / Flexkleber FX 930	Marmorkleber MK 900 / Marmorkleber schnell MK 911		
	Joint grout	Flexfuge FF 911	Marmorfuge MF 911		
Concrete floor 	Preparation substrate	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	Bonding emulsion HE, or epoxy resin primer EG and sand	Bonding emulsion HE, or epoxy resin primer EG and sand	Bonding emulsion HE, or epoxy resin primer EG and sand	Bonding emulsion HE, or epoxy resin primer EG and sand
	Levelling material for Minitec	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50	Renovating screed RE 50
	Sealing			Epoxy resin protective coating ESA	Epoxy resin protective coating ESA
	Adhesive	Flexkleber FX 900 / Flexkleber FX 930	Marmorkleber MK 900 / Marmorkleber schnell MK 911		
	Joint grout	Flexfuge FF 911	Marmorfuge MF 911		

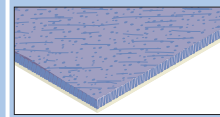
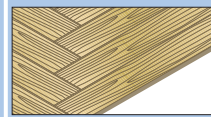
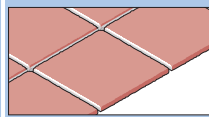
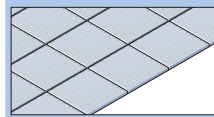
	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
quick-mix ¹⁾	≥ 32 mm	≥ 1 day	After 1 days / for 2 days	2 days after functional heating	≥ 6 days

¹⁾ If the floor covering places higher requirements on the level tolerances than specified in DIN 18202 Table 3 Row 3, a thin layer of filler is to be applied, if appropriate.

Manufacturer



New top floor covering



Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	Sakret A&H (CAF) Sakret UG (CT)	Sakret A&H (CAF) Sakret UG (CT)	Sakret A&H (CAF) Sakret UG (CT)	Sakret A&H (CAF) Sakret UG (CT)
	Levelling material for Minitec	Sakret MAM	Sakret MAM	Sakret MAM	Sakret MAM
	Adhesive	Sakret FFK	Sakret NKK		
	Joint grout	Sakret FFM	Sakret NKF		
Tiles 	Primer	Sakret SHG	Sakret SHG	Sakret SHG	Sakret SHG
	Levelling material for Minitec	Sakret MAM	Sakret MAM	Sakret MAM	Sakret MAM
	Adhesive	Sakret FFK	Sakret NKK		
	Joint grout	Sakret FFM	Sakret NKF		
Wood planks, chipboards, dry screed 	Primer	Sakret A&H	Sakret A&H	Sakret A&H	Sakret A&H
	Levelling material for Minitec	Sakret HDA	Sakret HDA	Sakret HDA	Sakret HDA
	Isolation	Sakret MFG	Sakret MFG		
	Adhesive	Sakret FFK	Sakret NKK		
Poured asphalt 	Isolation	Sakret SBA	Sakret SBA	Sakret SBA	Sakret SBA
	Levelling material for Minitec	Sakret HDA	Sakret HDA	Sakret HDA	Sakret HDA
	Adhesive	Sakret FFK	Sakret NKK		
	Joint grout	Sakret FFM	Sakret NKF		
Concrete floor 	Primer	Sakret UG	Sakret UG	Sakret UG	Sakret UG
	Levelling material for Minitec	Sakret MAM	Sakret MAM	Sakret MAM	Sakret MAM
	Adhesive	Sakret FFK	Sakret NKK		
	Joint grout	Sakret FFM	Sakret NKF		
Gypsum fiber boards 	Primer	Sakret A&H	Sakret A&H	Sakret A&H	Sakret A&H
	Levelling material for Minitec	Sakret MAM	Sakret MAM	Sakret MAM	Sakret MAM
	Adhesive	Sakret FFK	Sakret NKK		
	Joint grout	Sakret FFM	Sakret NKF		

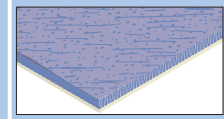
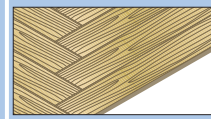
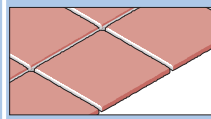
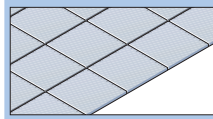
	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
Sakret	≥ 15 mm	≥ 3 hours	After 2 days / for 2 days	1 day after functional heating	≥ 5 days

Do not exceed field sizes of 30m² at a max. side length of 6 m

Manufacturer



New top floor covering

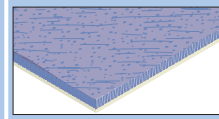
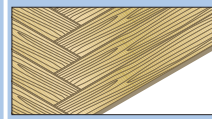
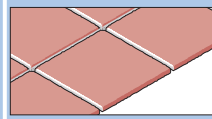
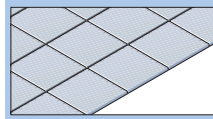


Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	SCHÖNOX KH 1:5 (CT) or SCHÖNOX KH 1:1 (CAF)	SCHÖNOX KH 1:5 (CT) or SCHÖNOX KH 1:1 (CAF)	SCHÖNOX VD 1:3 (CT) or SCHÖNOX VD 1:1 (CAF) or SCHÖNOX VD 1:1 (CAF)	SCHÖNOX VD 1:3 (CT) or SCHÖNOX VD 1:1 (CAF)
	Levelling material for Minitec	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX ADE ^{a)}
	Thin-bed mortar, adhesive	SCHÖNOX TT S8	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
	Joint grout	SCHÖNOX SU	SCHÖNOX SU SCHÖNOX UF PREMIUM		
Tiles 	Preparation	Basic cleaner, black pad, if appropriate, sand off	Basic cleaner, black pad, if appropriate, sand off	Basic cleaner, black pad, if appropriate, sand off	Basic cleaner, black pad, if appropriate, sand off
	Primer	SCHÖNOX SHP	SCHÖNOX SHP	SCHÖNOX SHP	SCHÖNOX SHP
	Levelling material for Minitec	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX ADE	SCHÖNOX ADE ^{a)}
	Thin-bed mortar, adhesive	SCHÖNOX TT S8	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
Wood planks, chipboards, dry screed 	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Primer	SCHÖNOX KH pur	SCHÖNOX KH pur	SCHÖNOX VD pur	SCHÖNOX VD pur
	Possibly leveling layer for wood planks	SCHÖNOX SPF + SCHÖNOX PZG	SCHÖNOX SPF + SCHÖNOX PZG	SCHÖNOX AP FIBER	SCHÖNOX AP FIBER
	Primer	Without primer	Without primer	SCHÖNOX VD 1:1	SCHÖNOX VD 1:1
	Adhesive for isolating board	Not applicable	Not applicable	SCHÖNOX FS SCHÖNOX TT S8 SCHÖNOX PFK	SCHÖNOX FS SCHÖNOX TT S8 SCHÖNOX PFK
	Isolation board	Not applicable	Not applicable	SCHÖNOX EDP min. 4 mm	SCHÖNOX EDP min. 4 mm
	Levelling material for Minitec	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX ADE	SCHÖNOX ADE ^{a)}
	Thin-bed mortar, adhesive	SCHÖNOX SEK	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
	Joint grout	SCHÖNOX SU	SCHÖNOX SU SCHÖNOX UF PREMIUM		
	Poured asphalt 	Primer (only for restoration)	SCHÖNOX SHP	SCHÖNOX SHP	SCHÖNOX SHP
Filled layer		SCHÖNOX AP	SCHÖNOX AP	SCHÖNOX AP	SCHÖNOX AP
Primer		SCHÖNOX KH 1:1	SCHÖNOX KH 1:1	SCHÖNOX VD 1:1	SCHÖNOX VD 1:1
Adhesive for isolating board		SCHÖNOX TT S8	SCHÖNOX TT S8	SCHÖNOX FS SCHÖNOX TT S8	SCHÖNOX FS SCHÖNOX TT S8
Isolation board		SCHÖNOX EDP min. 9 mm	SCHÖNOX EDP min. 9 mm	SCHÖNOX EDP min. 9 mm	SCHÖNOX EDP min. 9 mm
Levelling material for Minitec		SCHÖNOX ADE	SCHÖNOX ADE	SCHÖNOX ADE	SCHÖNOX ADE ^{a)}
Primer		SCHÖNOX EG ^{b)} or SCHÖNOX GEA ^{b)}	SCHÖNOX EG ^{b)} or SCHÖNOX GEA ^{b)}	Without primer	Without primer

Manufacturer



New top floor covering



Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Concrete floor 	Thin-bed mortar, adhesive	SCHÖNOX TT S8	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
	Joint grout	SCHÖNOX SU	SCHÖNOX SU SCHÖNOX UF PREMIUM		
	Primer	SCHÖNOX KH 1:3	SCHÖNOX KH 1:3	SCHÖNOX VD 1:3	SCHÖNOX VD 1:3
	Levelling material for Minitec	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX ADE	SCHÖNOX ADE ^{a)}
	Thin-bed mortar, adhesive	SCHÖNOX TT S8	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
Gypsum fiber boards 	Joint grout	SCHÖNOX SU	SCHÖNOX SU SCHÖNOX UF PREMIUM		
	Preparation	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean	Sand off and vacuum clean
	Establishing evenness	SCHÖNOX SP	SCHÖNOX SP	SCHÖNOX AP FIBER	SCHÖNOX AP FIBER
	Primer	Without primer	Without primer	SCHÖNOX VD 1:1	SCHÖNOX VD 1:1
	Adhesive for isolating board	SCHÖNOX TT S8	SCHÖNOX TT S8	SCHÖNOX FS SCHÖNOX TT S8 SCHÖNOX PFK	SCHÖNOX FS SCHÖNOX TT S8 SCHÖNOX PFK
	Isolation board	SCHÖNOX EDP min. 4 mm	SCHÖNOX EDP min. 4 mm	SCHÖNOX EDP min. 4 mm	SCHÖNOX EDP min. 4 mm
	Levelling material for Minitec	SCHÖNOX SPF	SCHÖNOX SPF	SCHÖNOX ADE	SCHÖNOX ADE ^{a)}
	Thin-bed mortar, adhesive	SCHÖNOX TT S8	SCHÖNOX Q9 W	SCHÖNOX MS-ELASTIC	E.g. SCHÖNOX EMICLASSIC
Joint grout	SCHÖNOX SU	SCHÖNOX SU SCHÖNOX UF PREMIUM			

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
SCHÖNOX ADE	≥ 15 mm (pipe covering by the filled layer: min. 3 mm)	≥ 4 hours	Day 1 after application: 25 °C Day 2 to Day 9: 45 °C (full load) Day 10: Switching off	1 to 3 days after functional heating (≤ 1.0 CM-%, measurement required) surface temperature = room temperature or ≤ 23 °C	
SCHÖNOX SPF	≥ 15 mm ≤ 20 mm (pipe covering by the filled layer: min. 3 mm)	≥ 4 hours	Day 3 after application: 25 °C Day 4 to Day 7: 45 °C (full load) Day 8: Switching off	1 day after functional heating (≤ 1.0 CM-%, measurement required) surface temperature = room temperature or ≤ 23 °C	

Manufacturer



New top floor covering

Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Calcium sulphate screed 	Primer	Sopro Multigrund MGR 637	Sopro Multigrund MGR 637	Sopro Multigrund MGR 637	Sopro Multigrund MGR 637
	Levelling material for Minitec	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel
	Adhesive	Sopro's No.1 Sopro VarioFlex® XL	Sopro MarmorFlexKleber	Suitable bonding agent for the respective top covering	Suitable bonding agent for the respective top covering
	Joint grout	Sopro FlexFuge Sopro Saphir PerlFuge Sopro Brillant PerlFuge	Sopro FlexFuge Sopro Saphir M PerlFuge Sopro Brillant PerlFuge		
Tiles (not absorbing) 	Primer	Sopro HaftPrimer S	Sopro HaftPrimer S	Sopro HaftPrimer S	Sopro HaftPrimer S
	Levelling material for Minitec	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel
	Adhesive	Sopro's No.1 Sopro VarioFlex® XL	Sopro MarmorFlexKleber	Suitable bonding agent for the respective top covering	Suitable bonding agent for the respective top covering
	Joint grout	Sopro FlexFuge Sopro Saphir PerlFuge Sopro Brillant PerlFuge	Sopro FlexFuge Sopro Saphir M PerlFuge Sopro Brillant PerlFuge		
Wooden substrate 	Primer	Sopro HaftPrimer S	Sopro HaftPrimer S	Sopro HaftPrimer S	Sopro HaftPrimer S
	Isolation	Sopro FliesenDämmPlatte (laid with Sopro Flexkleber)	Sopro FliesenDämmPlatte (laid with Sopro Flexkleber)	Sopro FliesenDämmPlatte (laid with Sopro Flexkleber)	Sopro FliesenDämmPlatte (laid with Sopro Flexkleber)
	Levelling material for Minitec	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel
	Adhesive	Sopro's No.1 Sopro VarioFlex® XL	Sopro MarmorFlexKleber	Suitable bonding agent for the respective top covering	Suitable bonding agent for the respective top covering
	Joint grout	Sopro FlexFuge Sopro Saphir PerlFuge Sopro Brillant PerlFuge	Sopro FlexFuge Sopro Saphir M PerlFuge Sopro Brillant PerlFuge		
Concrete floor / cement screed (absorbing) 	Primer	Sopro primer	Sopro primer	Sopro primer	Sopro primer
	Levelling material for Minitec	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel	Sopro Fließspachtel FS 15 plus Sopro Fließspachtel FS 30 maxi Sopro FaserFließspachtel
	Adhesive	Sopro's No.1 Sopro VarioFlex®	Sopro MarmorFlexKleber	Suitable bonding agent for the respective top covering	Suitable bonding agent for the respective top covering
	Joint grout	Sopro FlexFuge Sopro Saphir PerlFuge Sopro Brillant PerlFuge	Sopro FlexFuge Sopro Saphir M PerlFuge Sopro Brillant PerlFuge		

	Structure height	Accessibility	Functional heating period	Readiness for covering	Total period
Sopro	 Pipe covering ≥ 5 mm	 ≥ 3 hours	 After 2 days / for min. 2 days	 1 day after functional heating	

The respective field sizes should not exceed 40 m². In the case of installation during cold weather observe a feed temperature of 15°C. The substrate for laying has to have sufficient stability.

The commissioning of the heating structure is possible after 7 days if rapid adhesives (at least C2) are used. If Flexkleber that harden normally are used (minimum C2), the structure can be commissioned after 14 days.

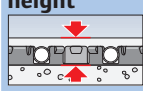




The instructions and guidelines of the corresponding product information are to be observed when processing the above-mentioned products. Building site conditions cannot be recorded completely in this table.

In the individual cases please request technical information from the Sopro building chemicals application technology: Tel. 0611 - 1707 111 / Fax. 0611 - 1707 280

Manufacturer



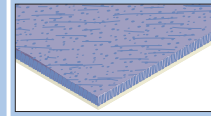
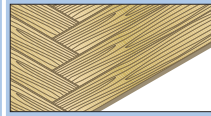
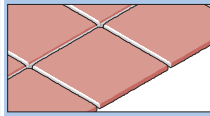
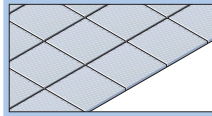
		New top floor covering			
					
Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Substrate preparation	Sand off and vacuum clean			
	Primer	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate
	Levelling material for Minitec	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack
Tiles 	Substrate preparation	Basic cleaning of the fixed tiles, sand off and vacuum clean			
	Primer	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate
	Levelling material for Minitec	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack
Wood planks, chipboards, dry screed 	Substrate preparation	Sand off and vacuum clean			
	Primer	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate
	Levelling material for Minitec	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack
Poured asphalt 	Substrate preparation	Sand off and vacuum clean			
	Primer	PU 280 Polyurethane pre-coating	PU 280 Polyurethane pre-coating	PU 280 Polyurethane pre-coating	PU 280 Polyurethane pre-coating
	Adhesive for isolating board	PU 210 parquet adhesive	PU 210 parquet adhesive	PU 210 parquet adhesive	PU 210 parquet adhesive
	Isolation board	RP 109 isolation board	RP 109 isolation board	RP 109 isolation board	RP 109 isolation board
	Levelling material for Minitec	A 620 anhydrite leveling material	A 620 anhydrite leveling material	A 620 anhydrite leveling material	A 620 anhydrite leveling material
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack
Concrete floor 	Substrate preparation	Sand off and vacuum clean			
	Primer	PU 280 Polyurethane pre-coating + S 28 sprinkle sand	PU 280 Polyurethane pre-coating + S 28 sprinkle sand	PU 280 Polyurethane pre-coating + S 28 sprinkle sand	PU 280 Polyurethane pre-coating + S 28 sprinkle sand
	Levelling material for Minitec	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler	Z 670 wooden floor filler
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack
Gypsum fiber boards 	Substrate preparation	Sand off and vacuum clean			
	Primer	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate	D 3074 pre-coating concentrate
	Levelling material for Minitec	A 620 anhydrite leveling material	A 620 anhydrite leveling material	A 620 anhydrite leveling material	A 620 anhydrite leveling material
	Adhesive			MS 260 parquet adhesive, firm-elastic	D 3360 VersaTack

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period 
Wakol	≥ 15 mm	≥ 2:5 hours	After 2 days / for 2 days	1 day after functional heating	≥ 5 days

Manufacturer



New top floor covering



Existing ground

Tile

Natural stone

Parquet

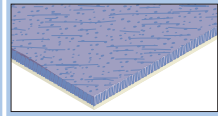
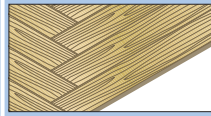
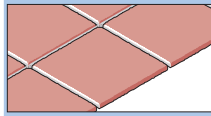
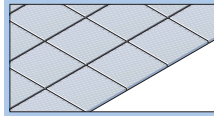
Carpet, linoleum, PVC

Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	weber.floor 4716 diluted 1:3 at CT diluted 1:1 at CA	weber.floor 4716 diluted 1:3 at CT diluted 1:1 at CA	weber.floor 4716 diluted 1:3 at CT diluted 1:1 at CA	weber.floor 4716 diluted 1:3 at CT diluted 1:1 at CA
	Levelling material for Minitec	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835	weber.floor 4805, 4825, 4815
	Joint grout	weber.fug 875 F	weber.fug 875 F		
Tiles 	Preparation	Sand with fine paper and vacuum	Sand with fine paper and vacuum	Sand with fine paper and vacuum	Sand with fine paper and vacuum
	Primer	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1
	Levelling material for Minitec	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835	weber.floor 4805, 4825, 4815
Wooden substrate 	Preparation	Sand off, vacuum clean, close joints	Sand off, vacuum clean, close joints	Sand off, vacuum clean, close joints	Sand off, vacuum clean, close joints
	Primer	weber.floor 4716 diluted 1:1 weber.floor 4712 EP priming at chipboards	weber.floor 4716 diluted 1:1 weber.floor 4712 EP priming at chipboards	weber.floor 4716 diluted 1:1 weber.floor 4712 EP priming at chipboards	weber.floor 4716 diluted 1:1 weber.floor 4712 EP priming at chipboards
	Levelling material for Minitec	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835, 4837	weber.floor 4805, 4825, 4815

Manufacturer



New top floor covering



Existing ground		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Poured asphalt 	Joint grout	weber.fug 875 F	weber.fug 875 F		
	Preparation	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean
	Primer	weber.floor 4716 diluted 1:1 on new sanded GA weber.floor 4712 EP on smooth GA	weber.floor 4716 diluted 1:1 on new sanded GA weber.floor 4712 EP on smooth GA	weber.floor 4716 diluted 1:1 on new sanded GA weber.floor 4712 EP on smooth GA	weber.floor 4716 diluted 1:1 on new sanded GA weber.floor 4712 EP on smooth GA
	Levelling material for Minitec	weber.floor 4190	weber.floor 4190	weber.floor 4190	weber.floor 4190
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835	weber.floor 4805, 4825, 4815
	Joint grout	weber.fug 875 F	weber.fug 875 F		
Concrete floor^{a)} 	Primer	weber.floor 4716 diluted 1:3 As required: weber.floor 4712 primer EC 1 in 2 passes with subsequent quartz sand spreading	weber.floor 4716 diluted 1:3 As required: weber.floor 4712 primer EC 1 in 2 passes with subsequent quartz sand spreading	weber.floor 4716 diluted 1:3 As required: weber.floor 4712 primer EC 1 in 2 passes with subsequent quartz sand spreading	weber.floor 4716 diluted 1:3 As required: weber.floor 4712 primer EC 1 in 2 passes with subsequent quartz sand spreading
	Levelling material for Minitec	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160	weber.floor 4320 with weber.floor 4945 system fabric or weber.floor 4190 or weber.floor 4160
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835	weber.floor 4805, 4825, 4815
	Joint grout	weber.fug 875 F	weber.fug 875 F		
	Preparation	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean	If appropriate, sand off, vacuum clean
	Primer	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1
Gypsum fiber boards 	Establishing evenness	weber.floor 4095 2 mm - 3 mm	weber.floor 4095 2 mm - 3 mm	weber.floor 4095 2 mm - 3 mm	weber.floor 4095 2 mm - 3 mm
	Primer	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1	weber.floor 4716 diluted 1:1
	Levelling material for Minitec	weber.floor 4190	weber.floor 4190	weber.floor 4190	weber.floor 4190
	Adhesive	weber.xerm 853 F	weber.xerm 864 F	weber.floor 4830, 4835	weber.floor 4805, 4825, 4815
	Joint grout	weber.fug 875 F	weber.fug 875 F		

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
weber.floor4320^{b)}	≥ 20 mm	≥ 4 hours	After 1 day / for 1 day	Immediately after functional heating	≥ 2 days
weber.floor4160^{b)}	≤ 20 mm	≥ 4 hours	After 1 day / for 1 day	Immediately after functional heating	≥ 2 days
weber.floor 4190	≥ 20 mm	≥ 4 hours	After 6 hours / for 8 days	Immediately after functional heating	≥ 8 days

^{a)} CAUTION! In case of follow-up moisture during parquet laying apply an epoxy resin moisture barrier!

^{b)} 25 - 28 °C supply temperature / laying of tiles immediately after functional heating - linoleum, PVC, carpet after 3 days - parquet and laminate after 7 days
Normal heating operation after 28 days

Manufacturer



Existing ground		New top floor covering			
		Tile	Natural stone	Parquet	Carpet, linoleum, PVC
Screed 	Primer	Bonding bridge 499	Bonding bridge 499	Bonding bridge 499	Bonding bridge 499
	Levelling material for Minitec	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE
Tiles 	Primer	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading
	Levelling material for Minitec	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE
Wood planks, chipboards, dry screed 	Primer	Bonding bridge 499	Bonding bridge 499	Bonding bridge 499	Bonding bridge 499
	Levelling material for Minitec	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE
Concrete floor 	Primer	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading	Synthetic resin with quartz spreading
	Levelling material for Minitec	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE	Thin screed 433DE

	Structure height 	Accessibility 	Functional heating period 	Readiness for covering 	Total period
Wicoplan	≥ 15 mm	≥ 2 days	After 2 days (according to heating record)	Immediately after functional heating	≥ 9 days

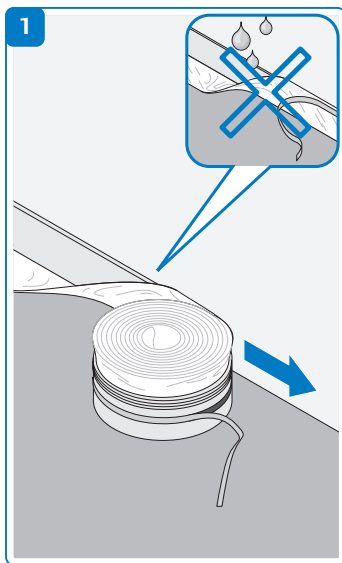
■ Minitec laying

General

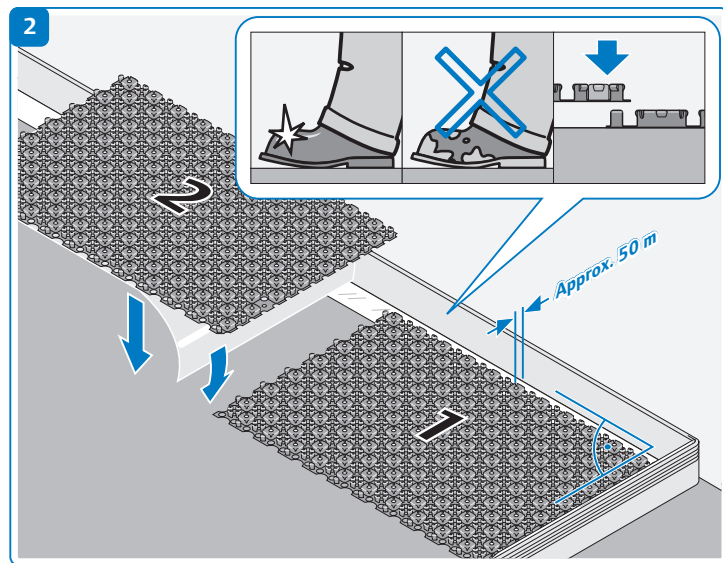
The following brief instructions only provide an extract of the instructions for mounting Uponor

Minitec. Please additionally observe the mounting instructions that are enclosed with the products or are available as a download under www.uponor.com.

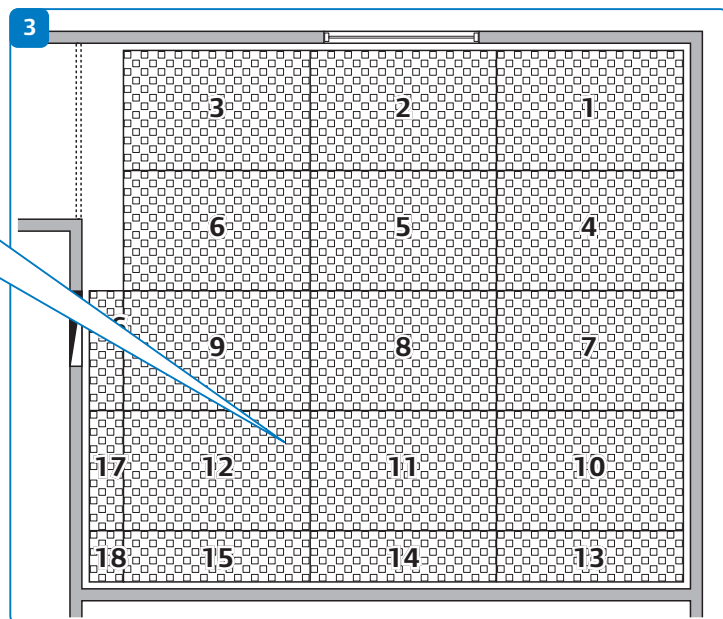
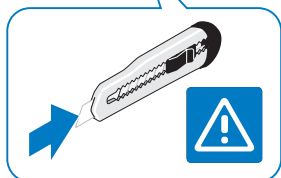
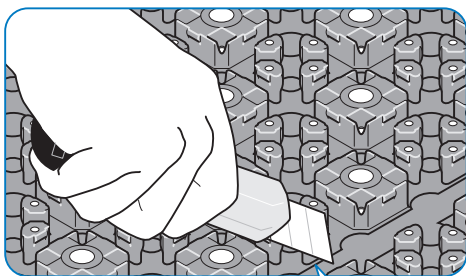
Overview of mounting steps



Mounting edging strips



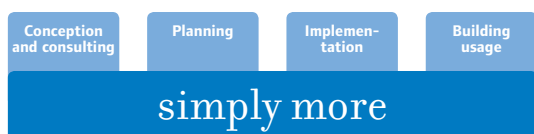
Mounting foil elements



Overview of laying for foil elements

Uponor offers its customers quality, up-to-date know-how, service and a long-term partnership. As one of the leading companies in the field of house and supply technology we are well-known for solutions that create feel-good worlds.

Our "Simply More" philosophy encompasses support in all project phases – from the first design to utilization of the building.



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simply more