

ტვასუბი

მუქმუდუბს 23 იანვრიდან 2023



www.variotherm.com

VARIOTHERM



ModularFloor - VarioComp FBHK

Pipe spacing 100 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioComp board V290
- 10 m VarioProFile pipe 11.6x1.5
- 6 kg VarioComp filling compound

Part No.	Weight	€/m ²
FBHK10	24.5 kg/m ²	96.00

Pipe spacing 150 mm

Not recommended for living or bare-foot areas!

Calculation price for 1 m² consisting of:

- 1 m² VarioComp board V295
- 6.7 m VarioProFile pipe 11.6x1.5
- 4.8 kg VarioComp filling compound

Part No.	Weight	€/m ²
FBHK15	24.0 kg/m ²	84.50

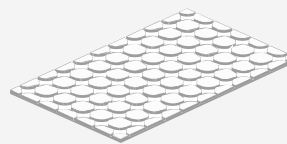


Merid Castel

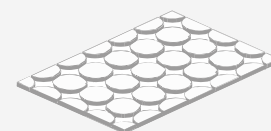
VarioComp boards

PG 032

Pipe bracket and heat conducting board for pipe spacings of 100 mm or 150 mm. Gypsum fibre board which has been tested for their healthy building properties 18 mm.



V290 | 100 mm | 1000 × 600 mm



V295 | 150 mm | 900 × 600 mm

Not recommended for living or bare-foot areas!

Part No.	Pipe spacing	A [m ²]	PKU	Weight/PKU	Pallet	€/m ²
V290	100 mm	0.60	0.60 m ²	9.6 kg	30 m ²	60.20
V295	150 mm	0.54	0.54 m ²	9.6 kg	27 m ²	58.80

VarioProFile pipe 11.6x1.5

PG 050

Aluminium multi-layer composite pipe PE-RT/AL/PE 11.6x1.5

Tested as per EN ISO 21 003

t_{max} = 70 °C | t_{mal} = 95 °C | p_{max} = 6 bar

- The perfect pipe for Modular Floor
- Light and easily bendable
- No oxygen diffusion whatsoever
- Profiled surface (+10 %) for optimum heat transfer



Part No.	PKU	Weight/PKU	Pallet	€/roll
VP116-100	100 m roll	7.0 kg	18 rolls	225.40
VP116-300	300 m roll	18.0 kg	12 rolls	225.40
VP116-500	500 m roll	30.0 kg	8 rolls	225.40
VP116-800	800 m roll	44.8 kg	5 rolls	219.50

VarioComp filling compound T7

PG 032

Special filling compound for filling out the laid VarioComp boards with inserted VarioProFile pipe 11.6x1.5.



Part No.	PKU	Weight/PKU	Pallet	€/bag
V291	1 bag	25 kg	42 bags	55.90

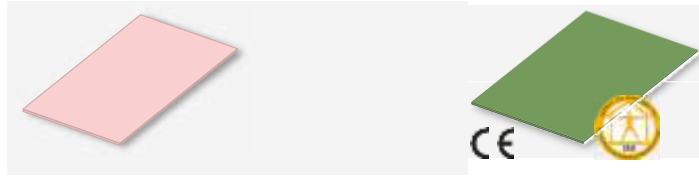
PKU = packaging unit, PG = product group; all prices excluding sales tax.

VarioComp XPS and SILENT underlay boards

PG 030

For use as a thermal/impact-sound insulation panel

↳ directly beneath VarioComp floor heating.
The ideal addition between non-insulated subsurfaces (such as even screed) and the VarioComp board.
V2898: extruded polystyrene foam
V2899: wood fibre



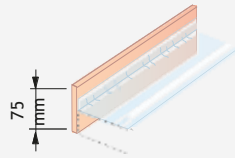
V2899
impact sound reduction
 ΔL_w : up to 17 dB
Thermal conductivity:
3.07 W/mK

Part-No.	Dim. [mm]	Thickness	Compressive strength at 10 % compression	Reaction to fire EN 13501-1	PKU	Weight/PKU	Package	€/m ²
V2898	1250 × 600	10 mm	200 kPa (20 t/m ²)	E	0.750 m ²	250 g	30 m ²	4.55
V2899	790 × 590	5 mm	150 kPa (15 t/m ²)	E	0.466 m ²	600 g	7 m ²	3.55

Edge insulation strips 75 mm

PG 030

as per EN 1264-4, 75 mm high, 10 mm thick, made of PE foam, front side with self-adhesive, welded overlapping foil for the sealed connection of edge insulation strips and PE construction foil, rear side with butyl rubber adhesive strips



Part No.	PKU	Weight/PKU	Bag	€/m
V299	25 m roll	0.8 kg	16 rolls	1.44

PE construction foil

PG 030

for laying under the VarioComp board, transparent recycled material, 0.1 mm thick
Dimensions: 1030 mm x 50 m = 51.5 m²
Usable area: 1000 mm x 50 m = 50.0 m²
(with a 30 mm overlap)

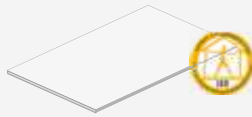


Part No.	PKU	Weight/PKU	€/m ²
V2895	50 m ² roll	5.1 kg	0.95

Blank board FBHK

PG 021

Gypsum fibre board which has been tested for their healthy building properties, 18 mm, to compensate for free remaining areas without laid pipes (e.g. kitchen units)



Part No.	Dim. [mm]	A [m ²]	PKU	Weight/PKU	Pallet	€/pce.
V021-029	1000 x 600	0.60	1 pce.	12.6 kg	50 pcs.	15.20

Adhesive tape

PG 031

For gluing the PE construction foil
Roll: 50 mm x 66 m

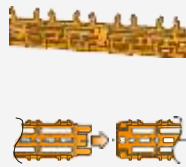


Part No.	PKU	Weight/PKU	Carton	€/pce.
V288	1 pce.	210 g	36 pce.	6.41

VarioRail 11.6

PG 015

for affixing the VarioProFile pipes 11.6x1.5 (supply pipe) in the area in front of the heating distribution manifold. PE VarioRail with an installation height of only 17 mm. Grid spacing 38.5 mm



Part No.	PKU	Weight/PKU	Carton	€/m
V2722	1 m	100 g	50 × 1 m	3.45

VarioComp mixing tool

PG 140

the perfect mixing tool for mixing the VarioComp filling compound. Diameter 120 mm, required power for drive 1000 W, 600 min⁻¹, min. drill chuck 13 mm



Part No.	PKU	Weight/PKU	€/pce.
W030	1 pce.	715 g	27.00

Bucket set

PG 140

Bucket set consisting of:
• Water bucket for the correct dosage
• 30 litre bucket for mixing the VarioComp filling compound

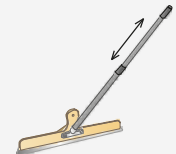


Part No.	PKU	Weight/PKU	€/pce.
W028	1 set	1.2 kg	11.60

Scraper 600 mm

PG 140

with telescopic shaft and shaft holder, for spreading the VarioComp filling compound

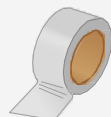


Part No.	PKU	Weight/PKU	€/pce.
W029	1 pce.	1.0 kg	19.40

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit coupling connections as per ÖN H 5155
Roll: 50 mm × 15 m, 1 roll is sufficient for approx. 35 press-fit coupling connections (with a 50 % overlap)



Part No.	PKU	Weight/PKU	Carton	€/pce.
Z1699	1 pce.	990 g	20 pcs.	23.43

Planning and installation instructions

PG 112

The respectively valid planning and installation instructions are part of our warranty and guarantee.

Part No.	PKU	Language	€/pce.
VBOOK8	1 pce.	German	--
VBOOK8E	1 pce.	English	--



Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the VarioPro- File pipe, the packaging units and accessories you require (heating/cooling distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.



VarioClip floor heating system FBHC

Pipe spacing 100 mm

Calculation price for 1 m² consisting of:

- 1 m² Wire mesh
- 20 pcs. VarioClip
- 10 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHC10	3.2 kg/m ²	31.50

Pipe spacing 150 mm

Calculation price for 1 m² consisting of:

- 1 m² Wire mesh
- 15 pcs. VarioClip
- 6.7 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHC15	2.6 kg/m ²	23.50

Pipe spacing 200 mm

Calculation price for 1 m² consisting of:

- 1 m² Wire mesh
- 10 pcs. VarioClip
- 5 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHC20	2.2 kg/m ²	19.00

Pipe spacing 250 mm

Calculation price for 1 m² consisting of:

- 1 m² Wire mesh
- 8 pcs. VarioClip
- 4 m VarioProFile pipe 16x2 plus⁺

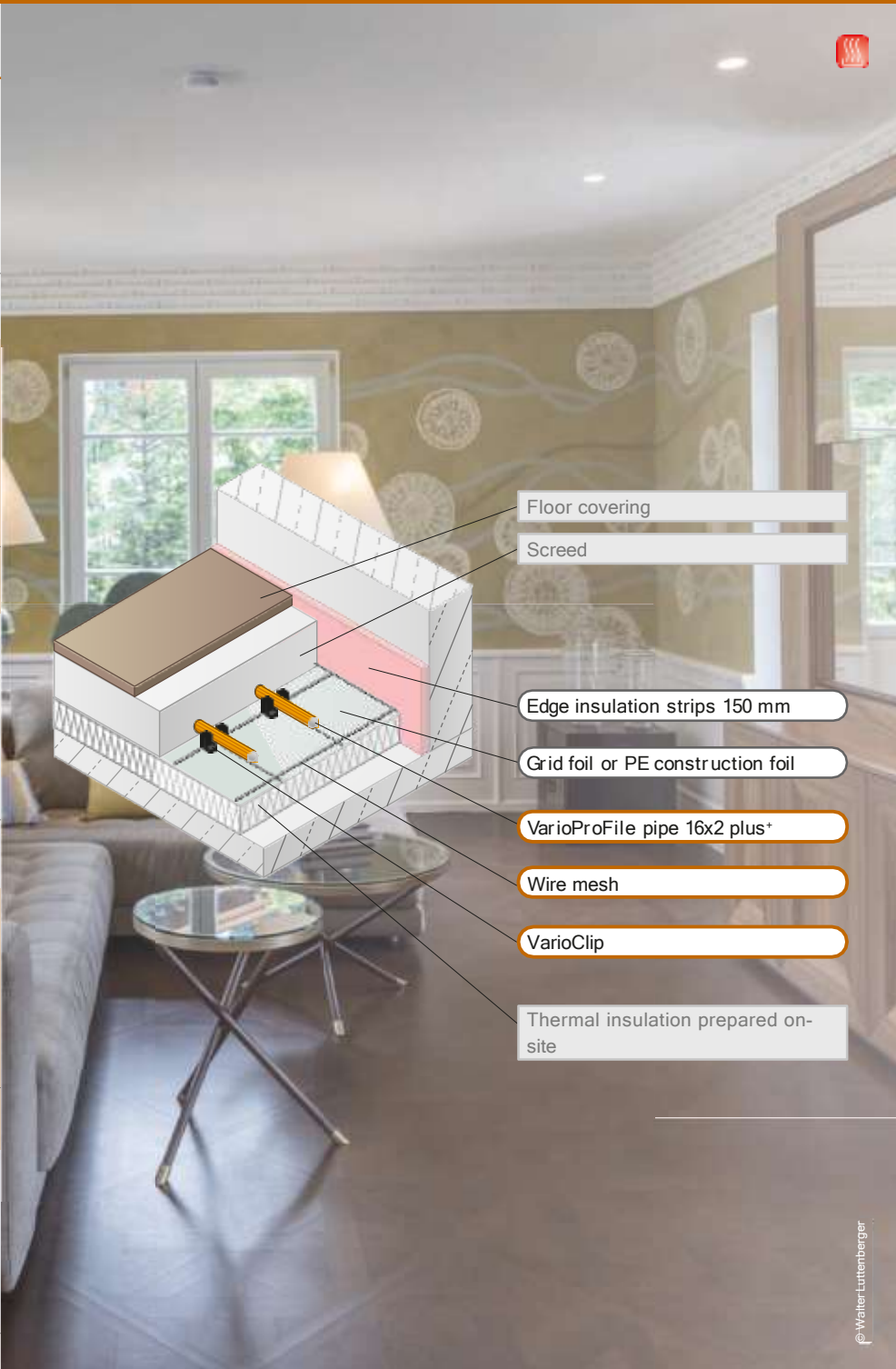
Part No.	Weight	€/m ²
FBHC25	2.0 kg/m ²	16.50

Pipe spacing 300 mm

Calculation price for 1 m² consisting of:

- 1 m² Wire mesh
- 6 pcs. VarioClip
- 3.4 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHC30	1.8 kg/m ²	15.00



Special Offer

VarioProFile pipe 16x2 plus⁺

PG 050

Aluminium multi-layer composite pipe
PE-RT/AL/PE 16x2

Tested as per EN ISO 21 003

t_{max} = 70 °C | t_{mal} = 95 °C | p_{max} = 6 bar

- The perfect pipe for surface heating/cooling systems
- Easily bendable
- No oxygen diffusion whatsoever
- Profiled surface (+15 %) for optimum heat transfer



Part No.	PKU	Weight/PKU	Pallet	€/100 m
VP16+100	100 m roll	10.3 kg	21 rolls	199.10
VP16+300	300 m roll	29.5 kg	10 rolls	199.10
VP16+500	500 m roll	49.0 kg	7 rolls	199.10

VarioClip

PG 030

for fastening the VarioProFile pipe 16x2 plus⁺ to the wire mesh, with tilt protection - clips do not fall over

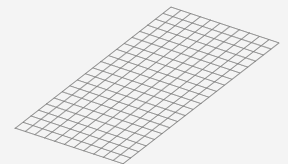


Part No.	PKU	Weight/PKU	Carton	€/magazine
V2852	8 pcs. magazine	50 g	50 magazines	1.80

Wire mesh

PG 030

Spot-welded mesh made of galvanised wire, with edge wire
Wire size: ø 2.9 mm
Mesh width: 100 x 100 mm
Dimensions: 2103 x 1203 mm = 2.53 m²



Part No.	PKU	Weight/PKU	Pallet	€/m ²
V2875	2.53 m ²	3.0 kg	582 m ²	6.84

PKU = packaging unit, PG = product group; all prices excluding sales tax.

Wire mesh connector

PG 030

for joining the wire meshes



Part No.	PKU	Weight/PKU	Carton	€/bag
V2856	Bag with 30 pcs.	100 g	3000 pcs.	6.50

Grid foil

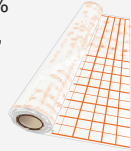
PG 030

For the necessary covering of the thermal insulation (separating layer) according to EN 1264-4, made of 100 % polyethylene recycled granulate with 50 mm grid imprint, 0.2 mm thick

Dimensions: 1030 mm x 50 m = 51.5 m²

Usable area: 1000 mm x 50 m = 50.0 m²

(with a 30 mm overlap)



Part No.	PKU	Weight/PKU	€/m ²
V282	50 m ² roll	10.4 kg	1.75

PE construction foil

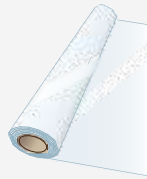
PG 030

For the necessary covering of the thermal insulation (separating layer), transparent recycled material, 0.1 mm thick

Dimensions: 1030 mm x 50 m = 51.5 m²

Usable area: 1000 mm x 50 m = 50.0 m²

(with a 30 mm overlap)

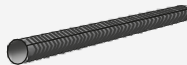


Part No.	PKU	Weight/PKU	€/m ²
V2895	50 m ² roll	5.1 kg	0.95

Sleeve tube 400 mm

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 400 mm



Part No.	PKU	Weight/PKU	€/pce.
V2894	10 pcs.	200 g	1.15

Sleeve tube 50 m

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 50 m



Part No.	PKU	Weight/PKU	€/Roll
V2894R	1 roll	2.5 kg	93.90

T-joint profile 10/70

PG 030

for movement joints, with adhesive strips
Height: 70 mm, length 1 m



Part No.	PKU	Weight/PKU	€/m
V2893	1 m	50 g	8.95

Screed Admixture

PG 031

Cement screed admixture for the liquification and plastification of the screed, increases flexural strength and initial strength

Consumption:

0.1-0.2 kg/m² with 70 mm cement screed

(concentration 0.5-1 % of the cement weight)



Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Setter for VarioClip

PG 140

for putting the VarioClips quickly



Part No.	PKU	Weight/PKU	€/pce.
W036	1 pce.	2.0 kg	328.50

External bending spring ø 16 mm

PG 140

Bending spring for easily bending Variotherm pipes over the entire length for pushing it further



Part No.	PKU	Weight/PKU	€/pce.
W055	1 pce.	440 g	23.10

Fixing anchor

PG 030

for fastening the wire mesh to the thermal insulation.

Incl. fixing tool per PKU



Part No.	PKU	Weight/PKU	€/100 pcs.
V2775	100 pcs.	1.25 kg	19.20

Adhesive tape

PG 031

for gluing the grid foil
50 mm x 66 m roll

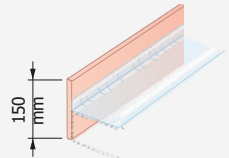


Part No.	PKU	Weight/PKU	Carton	€/pce.
V288	1 pce.	210 g	36 pce.	6.41

Edge insulation strips 150 mm

PG 030

as per EN 1264-4, 150 mm high, 10 mm thick, made of PE foam, with 40 mm fold, front side with self-adhesive, welded overlapping foil for the sealed connection of edge insulation strips and separating layer, rear side with butyl rubber adhesive strips



Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit coupling connections as per ÖN H 5155

Roll: 50 mm x 15 m, 1 roll is sufficient for approx. 35 press-fit coupling connections (with a 50 % overlap)



Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Installation instructions and design manual for FBH

PG 112

The respectively valid installation instructions are part of our warranty and guarantee.



Part No.	PKU	€/pce.
VMONT3	1 pce. Installation instructions	--
VPLAN3	1 pce. Design manual	--

Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the VarioPro- File pipe, the packaging units and accessories you require (distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.



studio 4

VarioRast floor heating system FBH

Pipe spacing 100 mm

Calculation price for 1 m² consisting of:

- 1.1 m² grid foil
- 1.5 m VarioRail K16
- 3 pcs. fixing needles
- 10 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBH10	1.8 kg/m ²	27.50

Pipe spacing 150 mm

Calculation price for 1 m² consisting of:

- 1.1 m² grid foil
- 1.5 m VarioRail K16
- 3 pcs. fixing needles
- 6.7 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBH15	1.6 kg/m ²	21.00

Pipe spacing 200 mm

Calculation price for 1 m² consisting of:

- 1.1 m² grid foil
- 1.5 m VarioRail K16
- 3 pcs. fixing needles
- 5 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBH20	1.2 kg/m ²	17.50

Pipe spacing 250 mm

Calculation price for 1 m² consisting of:

- 1.1 m² grid foil
- 1.5 m VarioRail K16
- 3 pcs. fixing needles
- 4 m VarioProFile pipe 16x2 plus⁺

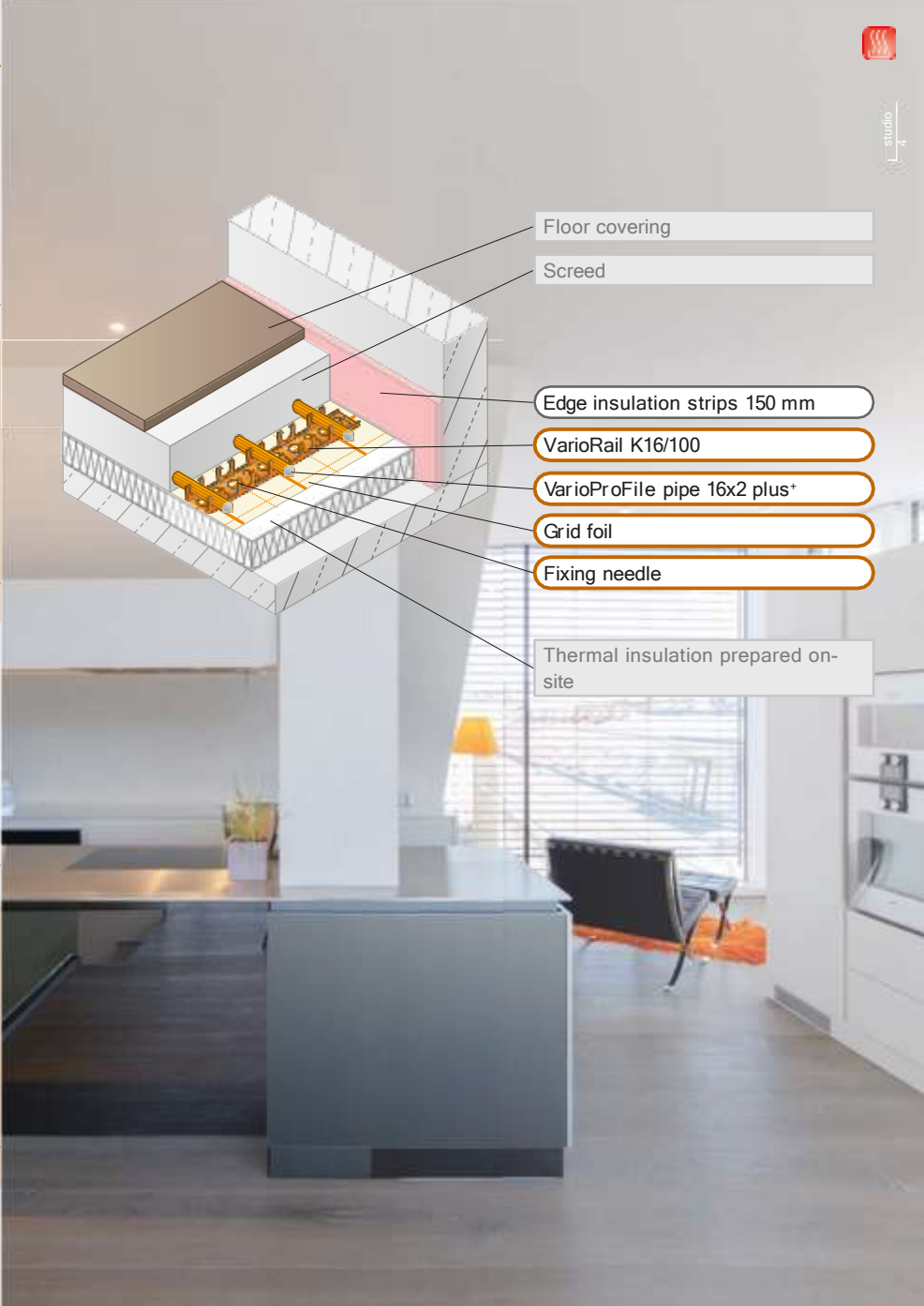
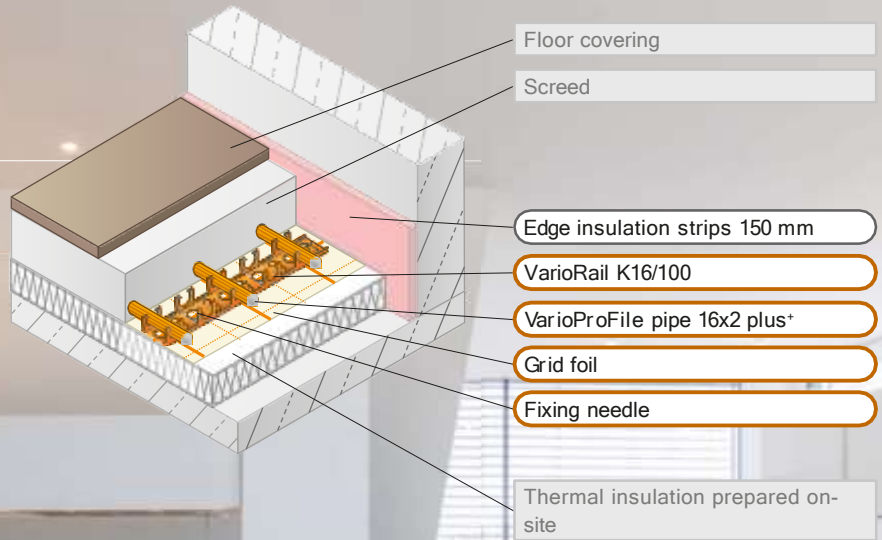
Part No.	Weight	€/m ²
FBH25	1.1 kg/m ²	15.50

Pipe spacing 300 mm

Calculation price for 1 m² consisting of:

- 1.1 m² grid foil
- 1.5 m VarioRail K16
- 3 pcs. fixing needles
- 3.4 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBH30	1.0 kg/m ²	14.50



VarioProFile pipe 16x2 plus⁺

PG 050

Aluminium multi-layer composite pipe
PE-RT/AL/PE 16x2

Tested as per EN ISO 21 003

t_{max} = 70 °C | t_{mal} = 95 °C | p_{max} = 6 bar

- The perfect pipe for surface heating/cooling systems
- Easily bendable
- No oxygen diffusion whatsoever
- Profiled surface (+15 %) for optimum heat transfer

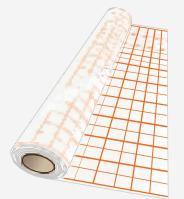


Part No.	PKU	Weight/PKU	Pallet	€/100 m
VP16+100	100 m roll	10.3 kg	21 rolls	199.10
VP16+300	300 m roll	29.5 kg	10 rolls	199.10
VP16+500	500 m roll	49.0 kg	7 rolls	199.10

Grid foil

PG 030

For the necessary covering of the thermal insulation (separating layer) according to EN 1264-4, made of 100 % polyethylene recycled granulate with 50 mm grid imprint, 0.2 mm thick
Dimensions: 1030 mm x 50 m = 51.5 m²
Usable area: 1000 mm x 50 m = 50.0 m² (with a 30 mm overlap)



Part No.	PKU	Weight/PKU	€/m ²
V282	50 m ² roll	10.4 kg	1.75

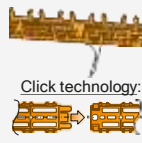
Special Offer

PKU = packaging unit, PG = product group; all prices excluding sales tax.

VarioRail K16

PG 030

VarioRail made of PE, for latching the VarioProFile pipe 16x2 plus*, can be extended to any length required using special click technology, grid spacing 50 mm, with adhesive strips

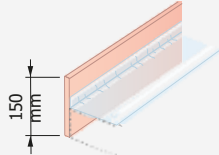


Part No.	PKU	Weight/PKU	Carton	€/m
VK1610	1 m	140 g	50 x 1 m	3.39

Edge insulation strips 150 mm

PG 030

as per EN 1264-4, 150 mm high, 10 mm thick, made of PE foam, with 40 mm fold, front side with self-adhesive, welded overlapping foil for the sealed connection of edge insulation strips and separating layer, rear side with butyl rubber adhesive strips

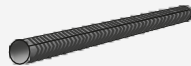


Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

Sleeve tube 400 mm

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 400 mm



Part No.	PKU	Weight/PKU	€/pce.
V2894	10 pcs.	200 g	1.15

Sleeve tube 50 m

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 50 m



Part No.	PKU	Weight/PKU	€/Roll
V2894R	1 roll	2.5 kg	93.90

Screed Admixture

PG 031

Cement screed admixture for the liquification and plastification of the screed, increases flexural strength and initial strength

Consumption:

0.1-0.2 kg/m² with 70 mm cement screed

(concentration 0.5-1 % of the cement weight)



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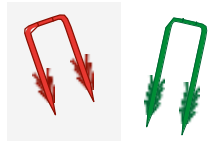
Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Fixing needles

PG 030

for fastening the VarioRail to the thermal insulation

Length: 45 or 60 mm



Part No.	Length	PKU	Weight/PKU	€/100 pcs.
V277	45 mm	Bag with 500 pcs.	700 g	19.30
V2771	60 mm	Bag with 500 pcs.	950 g	20.40

T-joint profile 10/70

PG 030

for movement joints, with adhesive strips

Height: 70 mm, length 1 m

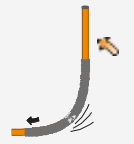


Part No.	PKU	Weight/PKU	€/m
V2893	1 m	50 g	8.95

External bending spring ø 16 mm

PG 140

Bending spring for easily bending Variotherm pipes over the entire length for pushing it further



Part No.	PKU	Weight/PKU	€/pce.
W055	1 pce.	440 g	23.10

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit coupling connections as per ÖN H 5155

Roll: 50 mm x 15 m, 1 roll is sufficient for approx. 35 press-fit coupling connections (with a 50 % overlap)



Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Adhesive tape

PG 031

for gluing the grid foil
50 mm x 66 m roll



Part No.	PKU	Weight/PKU	Carton	€/pce.
V288	1 pce.	210 g	36 pce.	6.41

Installation instructions and design manual for FBH

PG 112

The respectively valid installation instructions are part of our warranty and guarantee.



Part No.	PKU	€/pce.
VMONT3	1 pce. Installation instructions	--
VPLAN3	1 pce. Design manual	--

Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the VarioPro- File pipe, the packaging units and accessories you require (distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.



VarioFix floor heating system FBHF

Pipe spacing 100 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioFix panel
- 10 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHF10	2.2 kg/m ²	32.00

Pipe spacing 150 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioFix panel
- 6.7 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHF15	1.9 kg/m ²	25.50

Pipe spacing 200 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioFix panel
- 5 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHF20	1.7 kg/m ²	22.00

Pipe spacing 250 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioFix panel
- 4 m VarioProFile pipe 16x2 plus⁺

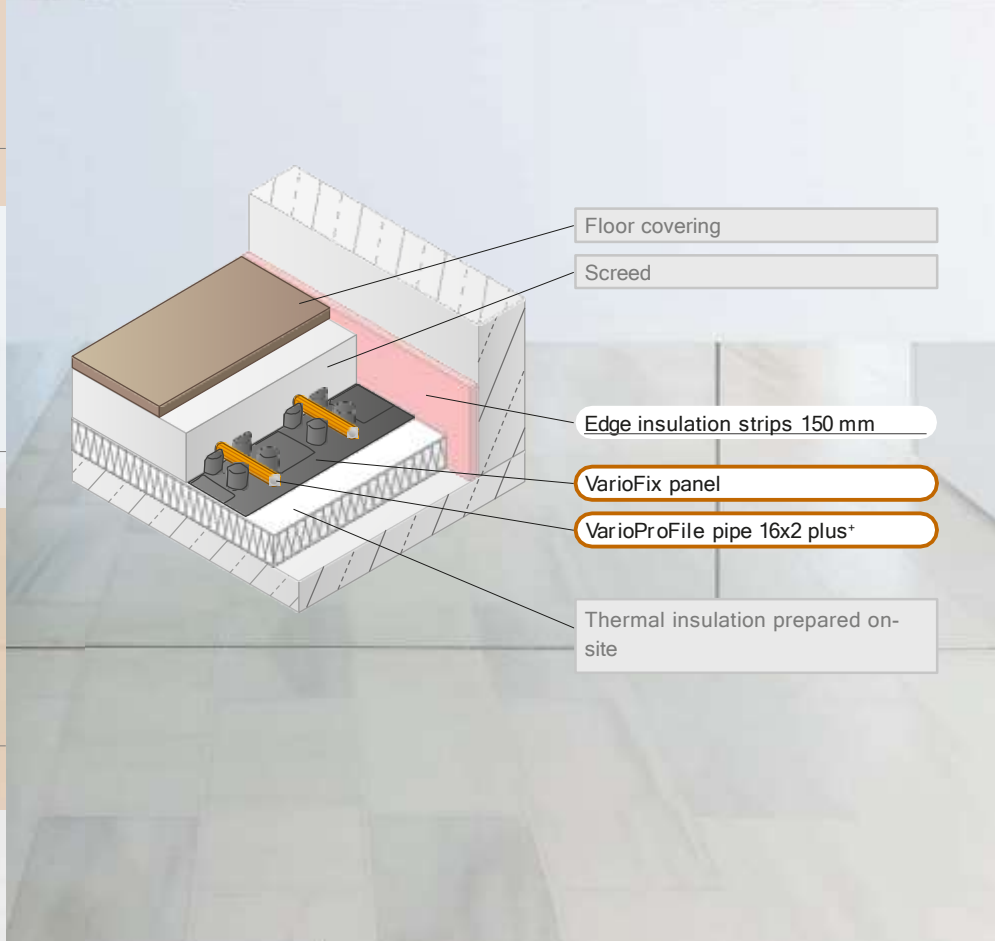
Part No.	Weight	€/m ²
FBHF25	1.6 kg/m ²	20.00

Pipe spacing 300 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioFix panel
- 3.4 m VarioProFile pipe 16x2 plus⁺

Part No.	Weight	€/m ²
FBHF30	1.5 kg/m ²	19.00



VarioProFile pipe 16x2 plus⁺

PG 050

Aluminium multi-layer composite pipe
PE-RT/AL/PE 16x2

Tested as per EN ISO 21 003

t_{max} = 70 °C | t_{mal} = 95 °C | p_{max} = 6 bar

- The perfect pipe for surface heating/cooling systems
- Easily bendable
- No oxygen diffusion whatsoever
- Profiled surface (+15 %) for optimum heat transfer



Part No.	PKU	Weight/PKU	Pallet	€/100 m
VP16+100	100 m roll	10.3 kg	21 rolls	199.10
VP16+300	300 m roll	29.5 kg	10 rolls	199.10
VP16+500	500 m roll	49.0 kg	7 rolls	199.10

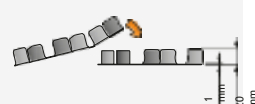
VarioFix panel

PG 030

- Pipe bracket, separating layer
- Dimensions: 1450 × 850 mm
- Usable area: 1400 × 800 mm = 1.12 m² (with a 50 mm overlap)
- Pipes can be installed diagonally (45°)
- Min. pipe spacing 50 mm
- Bridges raise the VarioProFile pipe from the panel
- Form-fitting connection as first rows of naps overlaps
- Surface sufficiently stable to walk on



Snap fastening system:



Part No.	PKU	Weight/PKU	Carton	€/m ²
V2860	1.12 m ²	1.3 kg	13.44 m ²	11.99

PKU = packaging unit, PG = product group; all prices excluding sales tax.

Special Offer

Connecting element

PG 030

for VarioFix for joining residual pieces
Dimensions: 1400 × 100 mm



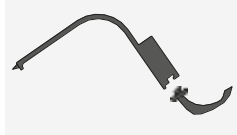
Part No.	PKU	Weight/PKU	Carton	€/pce.
V2896	1 pce.	120 g	20 pce.	5.70

Fixing anchor

PG 030

for fastening the VarioFix panel to the thermal insulation.

Incl. fixing tool per PKU



Part No.	PKU	Weight/PKU	€/100 pcs.
V2775	100 pcs.	1.25 kg	19.20

Sleeve tube 400 mm

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 400 mm



Part No.	PKU	Weight/PKU	€/pce.
V2894	10 pcs.	200 g	1.15

Sleeve tube 50 m

PG 030

for protecting the VarioProFile pipe 16x2 in the area of movement joints, length: 50 m



Part No.	PKU	Weight/PKU	€/Roll
V2894R	1 roll	2.5 kg	93.90

Screed Admixture

PG 031

Cement screed admixture for the liquification and plastification of the screed, increases flexural strength and initial strength

Consumption:

0.1-0.2 kg/m² with 70 mm cement screed (concentration 0.5-1 % of the cement weight)



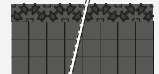
Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Adjustment element

PG 030

for VarioFix in the door, distribution manifold and edge areas

Dimensions: 1400 × 200 mm



Part No.	PKU	Weight/PKU	Carton	€/pce.
V2890	1 pce.	270 g	14 pce.	5.70

T-joint profile 10/70

PG 030

for movement joints, with adhesive strips

Height: 70 mm, length 1 m



Part No.	PKU	Weight/PKU	€/m
V2893	1 m	50 g	8.95

External bending spring ø 16 mm

PG 140

Bending spring for easily bending Variotherm pipes over the entire length for pushing it further



Part No.	PKU	Weight/PKU	€/pce.
W055	1 pce.	440 g	23.10

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit coupling connections as per ÖN H 5155

Roll: 50 mm × 15 m, 1 roll is sufficient for approx. 35 press-fit coupling connections (with a 50 % overlap)

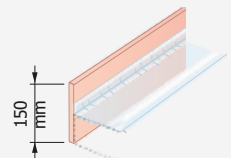


Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Edge insulation strips 150 mm

PG 030

as per EN 1264-4, 150 mm high, 10 mm thick, made of PE foam, with 40 mm fold, front side with self-adhesive, welded overlapping foil for the sealed connection of edge insulation strips and separating layer, rear side with butyl rubber adhesive strips



Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

Installation instructions and design manual for FBH

PG 112

The respectively valid installation instructions are part of our warranty and guarantee.



Part No.	PKU	€/pce.
VMONT3	1 pce. Installation instructions	--
VPLAN3	1 pce. Design manual	--

Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the VarioPro- File pipe, the packaging units and accessories you require (distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.



VarioRoll floor heating system FBHR

Pipe spacing 100 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioRoll thermal insulation and impact sound insulation
- 20 pcs. stapler pins
- 10 m VarioProFile pipe 16x2 plus⁺

Part No.	Insulation	Weight	€/m ²
FBHR10-20	20 mm	1.4 kg/m ²	29.00
FBHR10-30	30 mm	1.7 kg/m ²	31.00

Pipe spacing 150 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioRoll thermal insulation and impact sound insulation
- 15 pcs. stapler pins
- 6.7 m VarioProFile pipe 16x2 plus⁺

Part No.	Insulation	Weight	€/m ²
FBHR15-20	20 mm	1.1 kg/m ²	22.00
FBHR15-30	30 mm	1.4 kg/m ²	24.00

Pipe spacing 200 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioRoll thermal insulation and impact sound insulation
- 10 pcs. stapler pins
- 5 m VarioProFile pipe 16x2 plus⁺

Part No.	Insulation	Weight	€/m ²
FBHR20-20	20 mm	0.9 kg/m ²	18.00
FBHR20-30	30 mm	1.2 kg/m ²	20.50

Pipe spacing 250 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioRoll thermal insulation and impact sound insulation
- 8 pcs. stapler pins
- 4 m VarioProFile pipe 16x2 plus⁺

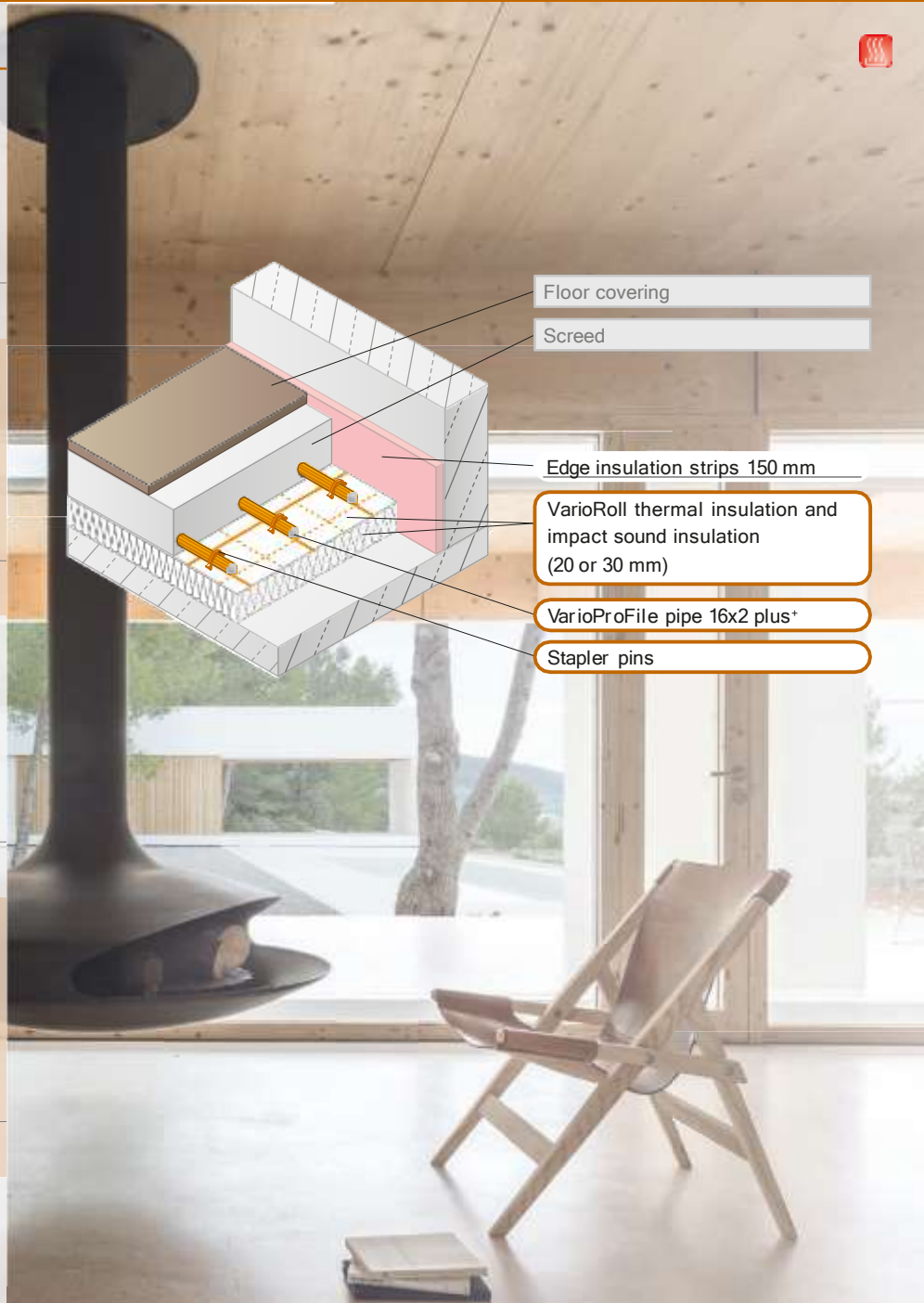
Part No.	Insulation	Weight	€/m ²
FBHR25-20	20 mm	0.8 kg/m ²	16.00
FBHR25-30	30 mm	1.1 kg/m ²	18.00

Pipe spacing 300 mm

Calculation price for 1 m² consisting of:

- 1 m² VarioRoll thermal insulation and impact sound insulation
- 6 pcs. stapler pins
- 3.4 m VarioProFile pipe 16x2 plus⁺

Part No.	Insulation	Weight	€/m ²
FBHR30-20	20 mm	0.7 kg/m ²	14.50
FBHR30-30	30 mm	1.0 kg/m ²	17.00

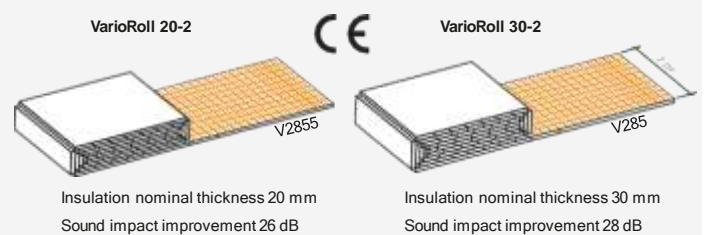


Merit Castell

VarioRoll thermal insulation & impact sound insulation

PG 030

- Made from monitored impact sound polystyrene
- Swift and easy installation
- Reaction to fire: Euroclass E
- Optimal retaining power for stapler pins via the incorporated weave
- Service load on screed (according to EN 13163) 5 kN/m²
- One-sided 30 mm overlap with self-adhesive strips
- Special laminated weave foil with 50 mm grid as separating layer



Part No.	Insulation nominal thickness	Roll width	Declared thermal conductivity	Compressibility	Dynamical stiffness	PKU	Weight/PKU	€/m ²
V2855	20 mm	1 m	0.040 W/mK	≤ 2 mm	≤ 30 MN/m ³	10 m ² roll	4.1 kg	7.43
V285	30 mm	1 m	0.040 W/mK	≤ 2 mm	≤ 30 MN/m ³	10 m ² roll	6.6 kg	9.53

PKU = packaging unit, PG = product group; all prices excluding sales tax.

VarioProFile pipe 16x2 plus*

PG 050

Aluminium multi-layer composite pipe
PE-RT/AL/PE 16x2

Tested as per EN ISO 21 003

$t_{max} = 70\text{ °C}$ | $t_{mal} = 95\text{ °C}$ | $p_{max} = 6\text{ bar}$

- The perfect pipe for surface heating/cooling systems
- Easily bendable
- No oxygen diffusion whatsoever
- Profiled surface (+15 %) for optimum heat transfer



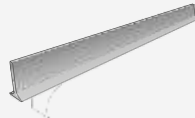
Special Offer

Part No.	PKU	Weight/PKU	Pallet	€/100 m
VP16+100	100 m roll	10.3 kg	21 rolls	199.10
VP16+300	300 m roll	29.5 kg	10 rolls	199.10
VP16+500	500 m roll	49.0 kg	7 rolls	199.10

T-joint profile 10/70

PG 030

for movement joints, with adhesive strips
Height: 70 mm, length 1 m

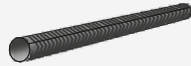


Part No.	PKU	Weight/PKU	€/m
V2893	1 m	50 g	8.95

Sleeve tube 400 mm

PG 030

for protecting the VarioProFile pipe 16x2 in
the area of movement joints, length: 400 mm



Part No.	PKU	Weight/PKU	€/pce.
V2894	10 pcs.	200 g	1.15

Sleeve tube 50 m

PG 030

for protecting the VarioProFile pipe 16x2 in
the area of movement joints, length: 50 m



Part No.	PKU	Weight/PKU	€/Roll
V2894R	1 roll	2.5 kg	93.90

Adhesive tape

PG 031

For gluing the wide side of the VarioRoll and
VarioRoll remnants
Roll: 50 mm x 66 m



Part No.	PKU	Weight/PKU	Carton	€/pce.
V288	1 pce.	210 g	36 pce.	6.41

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit
coupling connections as per ÖN H 5155
Roll: 50 mm x 15 m, 1 roll is sufficient for approx. 35
press-fit coupling connections (with a 50 % overlap)



Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Stapler

PG 140

For inserting the stapler pins,
carries up to 5 magazines

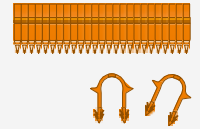


Part No.	PKU	Weight/PKU	€/pce.
W013	1 pce.	2.8 kg	241.00

Stapler pins

PG 030

For fastening the VarioProfile pipe to
the VarioRoll thermal and impact sound
insulation. A new system holds the stapler
magazine together without adhesive strips,
which prevents gluing of the stapler.

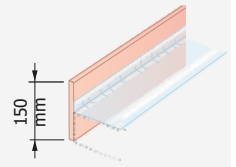


Part No.	PKU	Weight/PKU	€/carton
V2853	Carton at 12 magazines at 25 pcs.	500 g	23.20

Edge insulation strips 150 mm

PG 030

as per EN 1264-4, 150 mm high, 10 mm thick,
made of PE foam, with 40 mm fold, front side
with self-adhesive, welded overlapping foil
for the sealed connection of edge insulation
strips and separating layer, rear side with butyl
rubber adhesive strips



Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

External bending spring ø 16 mm

PG 140

Bending spring for easily bending Variotherm pipes
over the entire length for pushing it further



Part No.	PKU	Weight/PKU	€/pce.
W055	1 pce.	440 g	23.10

Screed Admixture

PG 031

Cement screed admixture for the liquification and
plastification of the screed, increases flexural
strength and initial strength

Consumption:
0.1-0.2 kg/m² with 70 mm cement screed
(concentration 0.5-1 % of the cement weight)



Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Installation instructions and design manual for FBH

PG 112

The respectively valid installation instructions
are part of our warranty and guarantee.



Part No.	PKU	€/pce.
VMONT3	1 pce. Installation instructions	--
VPLAN3	1 pce. Design manual	--

Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the VarioPro- File pipe, the packaging units and accessories you require (distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.



VarioSolid floor heating system FBHS

Pipe spacing 200 mm

Calculation price for 1 m² consisting of:
 • 5 m VarioModular pipe 20x2
 • proportionate coils

Part No.	Weight	€/m ²
FBHS20	0.85 kg/m ²	20.00

Pipe spacing 250 mm

Calculation price for 1 m² consisting of:
 • 4 m VarioModular pipe 20x2
 • proportionate coils

Part No.	Weight	€/m ²
FBHS25	0.70 kg/m ²	16.00

Pipe spacing 300 mm

Calculation price for 1 m² consisting of:
 • 3.4 m VarioModular pipe 20x2
 • proportionate coils

Part No.	Weight	€/m ²
FBHS30	0.60 kg/m ²	13.50

Pipe spacing 350 mm

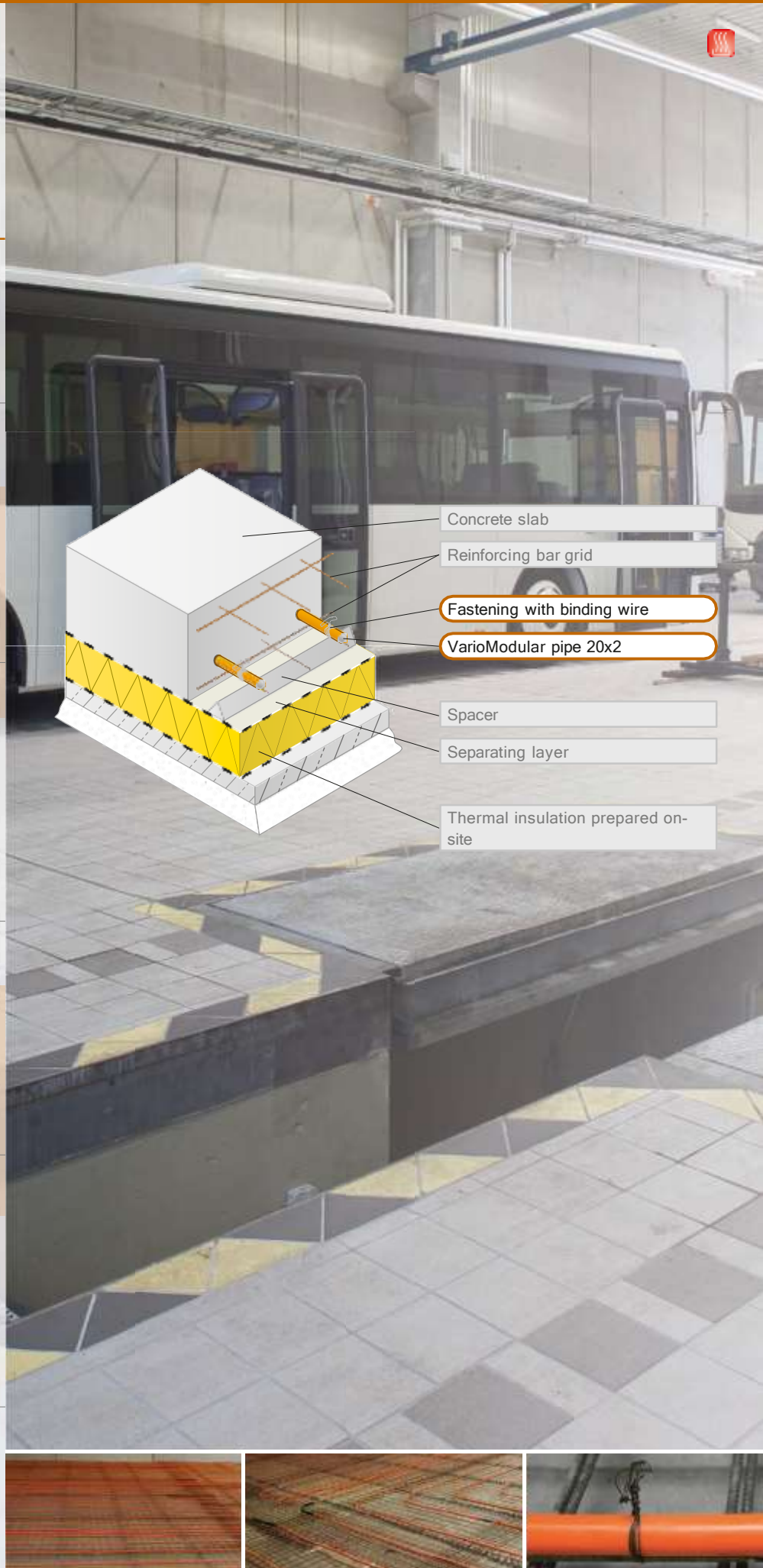
Calculation price for 1 m² consisting of:
 • 3.0 m VarioModular pipe 20x2
 • proportionate coils

Part No.	Weight	€/m ²
FBHS35	0.55 kg/m ²	12.00

Pipe spacing 400 mm

Calculation price for 1 m² consisting of:
 • 2.7 m VarioModular pipe 20x2
 • proportionate coils

Part No.	Weight	€/m ²
FBHS40	0.50 kg/m ²	11.00



PKU = packaging unit, PG = product group; all prices excluding sales tax.

VarioModular pipe 20x2

PG 050

Aluminium multi-layer composite pipe
PE-RT/AL/PE 20x2

Tested as per EN ISO 21 003

$t_{max} = 70\text{ °C}$ | $t_{mal} = 95\text{ °C}$ | $p_{max} = 6\text{ bar}$

- The perfect pipe for surface heating/cooling systems
- Light and easily bendable
- No oxygen diffusion whatsoever



Part No.	PKU	Weight/PKU	Pallet	€/100 m
VM20L-150	150 m roll	23.5 kg	13 rolls	389.50

External bending spring ø 20 mm

PG 140

Bending spring for easily bending Variotherm pipes over the entire length for pushing it further



Part No.	PKU	Weight/PKU	€/pce.
W056	1 pce.	540 g	23.80

Sleeve tube 50 m

PG 030

for protecting the VarioModular pipe 20x2 in the area of movement joints, length: 50 m



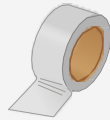
Part No.	PKU	Weight/PKU	€/Roll
V2897R	1 roll	3.6 kg	115.90

Cold shrink tape

PG 031

For optimum corrosion resistance of press-fit coupling connections as per ÖN H 5155

Roll: 50 mm × 15 m, 1 roll is sufficient for approx. 35 press-fit coupling connections (with a 50 % overlap)

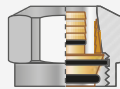


Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Clamping screw fitting 3/4" EUROx20

PG 100

Especially developed for the Variotherm pipes 20x2 on a 3/4" Eurocone, nickel plated, single-piece, with metal clamping ring and galvanic isolation, AF 30, tested according to EN 21 003



Part No.	PKU	Weight/PKU	€/pce.
Z1500	1 pce.	70 g	6.02

Battery powered binding tool, complete

PG 140

For rapid fastening of the VarioModular pipe to the reinforcing bar grid, in a plastic case, containing:

- Battery powered binding tool MAX RB397
- 2x rechargeable batteries and charger
- Extension arm for upright installation work



Part No.	PKU	Weight/PKU	€/pce.
W044	1 pce.	24.5 kg	4,773.50

Wire reel for binding tool

PG 030

Reel of solid wire for binding tools (W044/W045) With 95 m of plain solid wire, for approx. 120 connections.

Consumption: 1 connection/1.5 m of pipe



Part No.	PKU	Weight/PKU	€/pce.
V2854	1 pce.	450 g	15.65

Press-fit coupling 20x20

PG 100

TH press-fit contour, incl. galvanic isolation, visual monitoring of insertion depth. Suitable press-fitting jaws: REMS TH20 (page 44)

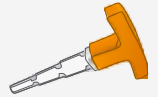


Part No.	PKU	Weight/PKU	€/pce.
Z1670	1 pce.	55 g	7.02

Calibration and chamfering tool

PG 140

For VarioProFile pipe 16x2 and 11.6x1.5, pre-insulated VarioModular pipe 16x2, VarioModular pipe 20x2 and 11.6x1.5



Part No.	PKU	Weight/PKU	€/pce.
W042	1 pce.	140 g	38.20

Installation instructions for FBHS

PG 112

The respectively valid installation instructions are part of our warranty and guarantee.

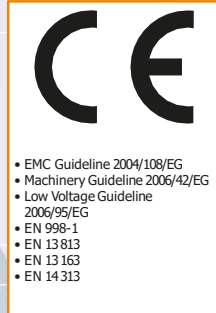


Part No.	PKU	€/pce.
VMONT3S	1 pce.	Installation instructions --

Accessories: see pages 36 to 45. Please be sure to allow for the necessary trimming on site when ordering materials (based on experience, approx. 5 % is usual for floor heating systems), please also check the supply pipe lengths when calculating the Vario- Modular pipe, the packaging units and accessories you require (distribution manifold, room thermostats ...).

PKU = packaging unit, PG = product group; all prices excluding sales tax.

Certificates:



GREENCLIMAT

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