თეკებს 23 იანვრიდან 2023

VARIOTHERM

თბილი იატავი პანელების გამოყენებით



VarioCompboards

Part No.

V290

V295

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.

A [m²]

0.60

0.54

PKU

0.60 m²

0.54 m2

Weight/PKU

9.6 kg

9.6 kg



Pallet

30 m²

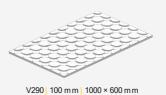
27 m²

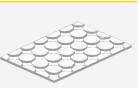
PG 050

€/m²

60.20

58.80





PG 032

V295 | 150 mm | 900 × 600 mm Not recommended for living or bare-foot areas!

VarioProFile pipe 11.6x1.5

Pipe spacing

100 mm

150 mm

Aluminium multi-layer composite pipe PE-RT/AL/PE 11.6x1.5 Tested as per EN ISO 21 003 $t_{max} = 70 \ ^{\circ}C | t_{mal} = 95 \ ^{\circ}C | p_{max} = 6 \ bar$

- 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	Pall	
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							
•	• •	I for filling out the inserted <u>VarioProF</u>		🧧 (E			
Part No.	PKU	Weight/PKU	Pallet	€/bag			
V291 1 bag 25 kg 42 bags 55.90							

PG 030

VarioComp XPS and SILENT underlay boards

For use as a thermal/impact-sound insulation panel

The facult day		n-insulated sub	surfaces	/				Im pact so ΔL w: up to	
such as eve	n screed) and the		6				<u> </u>		conductivity:
	ded polystyrene f					((€ ~ €) 0.07 W/m	IK
/2899: wood	l fibre				Reaction to fire				
Part-No.	Dim. [mm]	Thickness	Compressive at 10 % com	•	EN 13501-1	PKU	Weight/PKU	Package	€/ו
2898	1250 × 600	10 mm	200 kPa (2		E	0.750 m ²	250 g	30 m²	4.
2899	790 × 590	5 mm	150 kPa (15 t/m2)	E	0.466 m2	600 g	7 m2	3.
	ation strips 75 n			PG 030	PE construc	ctionfoil			PG (
ade of PE dhesive, we ealed conne	264-4, 75 mm high, foam, front side w elded overlapping f ection of edge insu struction foil, rear sive strips	vith self- foil for the Ilation strips	75		transparent <u>r</u> Dimensions: Usable area:	ler the VarioCo ecycled mater 1030 mm x 50 1000 mm x 50 (with a 30 mm	<u>ia</u> l , 0.1 mm thick m = 51.5 m² m = 50.0 m²		P
Part No.	PKU	Weight/PKU	Bag	€/m	Part No.	PKU	We	eight/PKU	€/n
/299	25 m roll	0.8 kg	16 rolls	1.44	V2895	50 m² rc		5.1 kg	0.9
Blank boai	rd FBHK			PG 021	Adhesiveta	ne			PG (
or their heal	e board which ha Ithy building prope Ite for free remaini pipes (e.g. kitcher	erties, 18 mm, ing areas			Roll: 50 mm x	e PE construct 66 m			Ø
art No.			eight/PKU Palle	et €/pce .	Part No.	PKU V	Veight/PKU	Carton	€/pc
021-029	1000 x 600 0	.60 1 pce.	12.6 kg 50 pc	cs. 15.20	V288	1 pce.	210 g	36 pce.	
/arioRail ′	11.6		12.6 kg 50 pc		V288 VarioComp	1 pce. mixingtool	210 g	36 pce.	6.4
/arioRail for affixing the supply pipe) distribution installation		pes 11.6x1.5 nt of the heating oRail with an	g Litte	cs. 15.20	V288 VarioComp the perfect m filling compou	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10	210 g nixing the VarioC	36 pce.	6.4
VarioRail or affixing the supply pipe) istribution istallation 8.5 mm	11.6 he VarioProFile pip) in the area in fror manifold. PE Vario height of only 17 n	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU	g Litte	cs. 15.20	V288 VarioComp the perfect m filling compour required pow	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ ,	36 pce.	G. PG 1
arioRail r affixing ti upply pipe) stribution stallation 3.5 mm art No.	11.6 he VarioProFile pip) in the area in fror manifold. PE Vario height of only 17 n	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir	g ing	PG 015	V288 VarioCompt the perfect m filling composi required pow min. drill chu	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ ,	36 pce.	6. PG / €/pc
VarioRail 1 or affixing ti supply pipe) istribution astallation 8.5 mm Vart No. 2722	11.6 he VarioProFile pip) in the area in fror manifold. PE Vario height of only 17 n PKU Wo 1 m	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU	ng Carton	PG 015 PG 015 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	V288 VarioCompt the perfect m filling compour required pow min. drill chu Part No.	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce.	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ ,	36 pce.	6. PG 1
supply pipe) distribution nstallation 88.5 mm Part No. /2722 Bucket set Bucket set c Water buck 30 litre buck	11.6 he VarioProFile pip) in the area in fror manifold. PE Vario height of only 17 n PKU Wo 1 m	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g	ng Carton	PG 015 PG 015 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	V288 VarioComp the perfect m filling compou required pow min. drill chu Part No. W030 Scraper 600 with telescopi	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ ,	36 pce.	6.4 PG 1
/arioRail f or affixing t supply pipe) distribution installation 88.5 mm Part No. /2722 Bucket set Water buck 30 litre buck VarioComp Part No.	11.6 he VarioProFile pip) in the area in from manifold. PE Variation height of only 17 m PKU We 1 m consisting of: ket for the correct cket for mixing the	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g	ng Carton	PG 015 PG 015 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	V288 VarioComp the perfect m filling compou required pow min. drill chu Part No. W030 Scraper 600 with telescopi	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ , We haft holder, for ling compound	36 pce.	€/pc1 €/pc1 €/pc1 €/pc1
VarioRail Y or affixing ti supply pipe) istribution astallation 8.5 mm Part No. 2772 Bucket set Water buck 30 litre buck VarioComp Part No.	11.6 he VarioProFile pip in the area in from manifold. PE Variation height of only 17 m PKU Weight 1 m consisting of: ket for the correct cket for mixing the o filling compound	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g dosage	g ng <u>Carton</u> 50 × 1 m	PG 015 PG 015 €/m 3.45 PG 140	V288 VarioComp the perfect m filling compour required pow min. drill chu Part No. W030 Scraper 600 with telescopi spreading the	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh e VarioComp fil	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ , We haft holder, for ling compound	36 pce. Comp eight/PKU 715 g	6. PG 1 €/pc 27.0 PG 1
VarioRail 1 or affixing ti supply pipe) istribution astallation 8.5 mm Part No. 2722 Bucket set vart No. VarioComp Part No. V028	11.6 he VarioProFile pip in the area in from manifold. PE Variation height of only 17 m PKU We 1 m consisting of: ket for the correct cket for mixing the possibility of filling compound PKU 1 m	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g dosage	g ng Carton 50 × 1 m	PG 015 PG 015 €/m 3.45 PG 140 €/pce. 11.60	V288 VarioComp the perfect m filling compou required pow min. drill chu Part No. W030 Scraper 600 with telescopi spreading the Part No. W029	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh e VarioComp fil PKU 1 pce.	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ , We haft holder, for ling compound	36 pce. Comp Sight/PKU 715 g	6. PG 2 €/pc 27. PG 2 €/pc 19.4
/arioRail f or affixing ti supply pipe) listribution astallation 8.5 mm Part No. /2722 Bucket set Bucket set of Water buck 30 litre buck VarioComp Part No. V028 Cold shrin or optimum oupling cor Roll: 50 mm	11.6 he VarioProFile pip in the area in from manifold. PE Variation height of only 17 m PKU Wu 1 m consisting of: ket for the correct cket for mixing the p filling compound PKU 1 set ktape corrosion resistan mections as per C × 15 m, 1 roll is su	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g dosage dosage Weig 1 nce of press-fit N H 5155 ufficient for appr	c	PG 015 PG 015 €/m 3.45 PG 140 €/pce.	V288 VarioComp the perfect m filling compou required pow min. drill chu Part No. W030 Scr aper 600 with telescopi spreading the Part No. W029 Planning an The respective	1 pce. mixing tool ixing tool for n und. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh e VarioComp fil PKU 1 pce. d installatio	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ , We naft holder, for ling compound We ninstructions ing and installar	36 pce. Comp Sight/PKU 715 g	6. PG €/pc 27. PG €/pc
VarioRail f or affixing ti supply pipe) istribution astallation 8.5 mm Vart No. V2722 Bucket set Water buck 30 litre buck VarioComp VarioComp VarioComp VarioComp Cold shrin or optimum oupling cor Roll: 50 mm	11.6 he VarioProFile pip in the area in from manifold. PE Variation height of only 17 m PKU We 1 m consisting of: ket for the correct cket for mixing the p filling compound PKU 1 set ktape corrosion resistant nnections as per C	pes 11.6x1.5 nt of the heating oRail with an nm. Grid spacir eight/PKU 100 g dosage dosage Weig 1 nce of press-fit N H 5155 ufficient for appr	c	PG 015 PG 015 €/m 3.45 PG 140 €/pce. 11.60	V288 VarioComp the perfect m filling compour required pow min. drill chu Part No. W030 Scraper 600 with telescopi spreading the Part No. W029 Planning an The respective instructions a	1 pce. mixing tool ixing tool for m and. Diameter er for drive 10 ck 13 mm PKU 1 pce. 0 mm ic shaft and sh e VarioComp fil PKU 1 pce. d installatio ely valid plann are part of our v	210 g nixing the VarioC 120 mm, 00 W, 600 min ⁻¹ , We naft holder, for ling compound We ninstructions ing and installar	36 pce. Comp Sight/PKU 715 g	6 PG €/pc 27. PG €/pc 19.

Accessories: see pages 36 to 45. <u>Please be sure</u> 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 ...).

23.43

20 pcs.

990 g

 $\mathsf{PKU} = \mathsf{packaging\,unit}, \ \mathsf{PG} = \mathsf{product\,group}; \ \mathsf{all\,prices\,excluding\,sales\,tax}.$

English

VBOOK8E

1 pce.

Z1699

1 pce.

, თბილი იატაკი"-ს მოდულური სისტემები

		eating system FBHC			-				
	Pipe spacing 100 mr Calculation price for								
	 1 m² Wire mesh 	i i in consisting of.							1.54
	 20 pcs. VarioClip 								1
-	• 10 m VarioProFile	pipe 16x2 plus+						1110	-
	Part No.	Weight	€/m²						
	FBHC10	3.2 kg/m ²	31.50	All and a second					
				Read and the second second		and the second second			
				and the second second				1011	
	Pipe spacing 150 mr	<u>m</u>		Statements	a second second				Call
	Calculation price for	r 1 m ² consisting of:		19 方温达	Part Arth				
	• 1 m ² Wire mesh			1000	142/ 2464			< AQ	1000
	• 15 pcs. VarioClip	ning 10-0 nhun		A	1000	and a second		1210	
	6.7 m VarioProFile	pipe Tox2 plus+			Kin	Call Call	Floor covering		102
	Part No.	Weight	€/m²	1 30.23		it.	(Dense Server		- 108
	FBHC15	2.6 kg/m ²	23.50	1000		1 to	Screed		1025
									123
	Contraction of the local distance of the loc								100
	Pipe spacing 200 mr	m							125
	Calculation price for	r 1 m ² consisting of:				-4		of the local division in which the local division in the local div	
	 1 m² Wire mesh 					\rightarrow $//$	Edge insulation	strips 150 mm	
	• 10 pcs. VarioClip			A AND	18 3	XXX	Contraction of the local division of the loc	The second	
1	• 5 m VarioProFile p	pipe 16x2 plus*		The second second			Grid foil or PE of	construction foil	
	Part No.	Weight	€/m²			XX \			
	FBHC20	2.2 kg/m ²	19.00	the second			VarioProFile pip	pe 16x2 plus⁺	
	1				1 230		Wire mesh		
	Pipe spacing 250 mr			The second second	1 - A		VarioClip	and the state of	
	Calculation price for • 1 m ² Wire mesh	r i m² consisting of:					VanoClip	1000	
	8 pcs. VarioClip								
	• 4 m VarioProFile p	pipe 16x2 plus⁺			X		Thermal insulat	ion prepared on	- 35
ć	Dert Nie	30.000	642	Contract of the local division of the local			site		
	Part No. FBHC25	Weight	€/m² 16.50	RE					
	FBHG25	2.0 kg/m ²	10.50						
	D: 1 000					>			
	Pipe spacing 300 mr Calculation price for			1 0	Anna				
	 1 m² Wire mesh 	i i ili consisting of.		and the second	1000				
	• 6 pcs. VarioClip								i de
	• 3.4 m VarioProFile	e pipe 16x2 plus⁺		V.					the second se
	Dent No.		Class 2	and the second					fiert
0	Part No. FBHC30	Weight	€/m² 15.00	and the second					O We
	T BHC50	1.8 kg/m ²	15.00	A DECK OF A DECK					
	VarioProFilepipe	e 16x2 plus⁺		PG 050	VarioC				
	Aluminium multi-laye	er composite pipe			for faste				
	PE-RT/AL/PE 16x2	0.01.000			to the wi				
	Tested as per EN IS				with tilt				
	$t_{max} = 70$ C $t_{mal} =$	= 95 °C p _{max} = 6 bar			Part No.				
					1/0050				

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

,0	iffusion whatsoeve ace (+15 %) for op		er		Spot-we wire, with Wire siz Mesh w Dimensie				
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	Part No.				
VP16+500	500 m roll	49.0 kg	7 rolls	199.10	V2875	2.53 m2	3.0 kg	582 m2	6.84
-									

V2852

Wirem

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

	h connector			PG 030
, ,	he wire meshes			A A
Part No.	PKU	Weight/PKU	Carton	€/bag
V2856	Bag with 30 pcs.	100 g	3000 pcs.	6.50
Gridfoil				PG 030
			ć	
Part No.	PKU	Wei	ght/PKU	€/m²
V282	50 m ² roll		0.4 kg	1.75
			-	
PE constr	uctionfoil			PG 030
For the nec	essary covering o			153
,	separating layer),			
	<u>ateria</u> l, 0.1 mm th		h.	and the
	: 1030 mm x 50 n		f. et	1
Usable are	a: 1000 mm x 50 r (with a 30 mm c		6	P
	,	• /		
Part No.	PKU		ght/PKU	€/m²
V2895	50 m ² roll	Ę	5.1 kg	0.95
Sleevetu	oe 400 mm			PG 030
	ng the VarioProFile	e pipe 16x2 in		
•	movement joints,	• •	0	
Part No.	PKU	Weig	ght/PKU	€/pce.
V2894	10 pcs	s. 2	200 g	1.15
-				
Sleeve tul		o pipo 16-0 :		PG 030
	ng the VarioProFil movement joints,		C	
Part No.	PKU	Weig	ht/PKU	€/ Roll
V2894R	1 rol	1 2.	5 kg	93.90
	ofile 10/70			PG 030
	ent joints, with adł mm, length 1 m	nesive strips		
Height. 701	nm, iengur i m			
Part No.	PKU	Weight	PKU	€/m
V2893	1 m	50		8.95
Screed Ac				PG 031
plastificatio strength ar Consumptic 0.1-0.2 kg/i	m² with 70 mm ce	creases flexural ment screed	Ţ.	WRITE THE REAL
(concentrat	ion 0.5-1 % of the	cement weight)	Ce
Part No.	PKU	Weight		€/canister
V279	5 kg canister	51	-	20.80
V279 V284	5 kg canister 10 kg canister	5 I 10 I	-	20.80 41.60

Setter for \	/arioClip				PG 140
for putting th		quickly			
Part No.	PKU	Weight/PKU		€/pce.	
W036	1 pce.	2.0 kg		328.50	LU LU
Extornal be	andingenri	ngø 16 mm			PG 140
		bending Variothe	erm pipes		
over the entir	re length for	pushing it furthe	ſ		~
Part No.	PKU	Weight/PKU	€/pce		<u>.</u>
W055	1 pce.	440 g	23.1	0	
Fixing anc for fastening		sh to the thermal			PG 030
insulation.					
Incl. fixing to	ol per PKU				
Part No.	PKU		ght/PKU	€/1	00 pcs.
V2775	100 pcs	. 1.	25 kg		19.20
Adhaaiyata					DC 024
Adhesive ta				~	PG 031
50 mm x 66 r	-)
Part No.	PKU	Weight/PKU	Carton		€/pce.
Part No. V288	PKU 1 pce.	Weight/PKU 210 g	Carton 36 pce.		€/pce. 6.41
V288	1 pce.	210 g			6.41
	1 pce. ation strips 264-4, 150 m foam, with 40 nesive, welde ed connectio eparating la	210 g 150 mm Im high, 10 mm 0 mm fold, fror ed overlapping n of edge insula	36 pce. n thick, nt side foil tion		
V288 Edge insula as per EN 12 made of PE t with self-adh for the seale strips and se	1 pce. ation strips 264-4, 150 m foam, with 44 nesive, welde ed connectio eparating la esive strips PKU	210 g 150 mm im high, 10 mm 0 mm fold, from ed overlapping n of edge insula yer, rear side w Weight/l	36 pce. n thick, nt side foil tion vith butyl PKU	Bag	6.41 PG 030
V288 Edge insula as per EN 12 made of PE1 with self-adh for the seale strips and se rubber adh e	1 pce. ation strips 264-4, 150 m foam, with 44 nesive, welde ed connection eparating la esive strips	210 g 150 mm Im high, 10 mn 0 mm fold, fror ed overlapping n of edge insula yer, rear side w	36 pce. n thick, nt side foil tion vith butyl PKU	Bag 8 rolls	6.41 PG 030
V288 Edge insulation as per EN 12 made of PE1 with self-adh for the sealed strips and set rubber adh en Part No. V278 Cold shrint For optimum coupling con Roll: 50 mm	1 pce. ation strips 264-4, 150 m foam, with 44 hesive, welde ed connection eparating la esive strips PKU 50 m roll K tape corrosion re- nections as × 15 m, 1 roll	210 g 150 mm im high, 10 mn 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight/I 2.2 k esistance of press per ÖN H 5155 I is sufficient for a	36 pce. In thick, It side foil tion with butyl PKU Sg S-fit ppr ox. 35		6.41 PG 030
V288 Edge insula as per EN 12 made of PE1 with self-adh for the seale strips and se rubber adh e Part No. V278 Cold shrint For optimum coupling con Roll: 50 mm	1 pce. ation strips 264-4, 150 m foam, with 40 besive, welde ad connection aparating la asive strips PKU 50 m roll Ktape corrosion re- nections as × 15 m, 1 roll pling connection	210 g 150 mm im high, 10 mn 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight/I 2.2 k esistance of press per ÖN H 5155	36 pce. In thick, It side foil tion with butyl PKU Sg S-fit ppr ox. 35		6.41 PG 030 €/m 1.62 PG 031
V288 Edge insula as per EN 12 made of PE t with self-adh for the seale strips and se rubber adh e Part No. V278 Cold shrint For optimum coupling con Roll: 50 mm press-fit cou	1 pce. ation strips 264-4, 150 m foam, with 44 hesive, welde ed connection eparating la esive strips PKU 50 m roll K tape corrosion re- nections as × 15 m, 1 roll	210 g 150 mm Im high, 10 mm 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight// 2.2 k esistance of press per ÖN H 5155 I is sufficient for a ctions (with a 50 for	36 pce. n thick, nt side foil tion vith butyl PKU sg s-fit ppr ox. 35 % overlap)		6.41 PG 030 €/m 1.62
V288 Edge insula as per EN 12 made of PE 1 with self-adh for the seale strips and se rubber adh e Part No. V278 Cold shrini For optimum coupling con Roll: 50 mm press-fit cou Part No. Z1699 Install ation The respectiv	1 pce. ation strips 264-4, 150 m foam, with 44 hesive, welde ed connection eparating la esive strips PKU 50 m roll ktape corrosion re- nections as × 15 m, 1 roll pling connect PKU 1 pce. minstruction	210 g 150 mm Im high, 10 mm 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight/I 2.2 k esistance of press per ÖN H 5155 I is sufficient for a ctions (with a 50 G Weight/PKU	36 pce. a thick, a side foil tion with butyl PKU 9 Carton 20 pcs. and and a for ions	8 rolls	6.41 PG 030 €/m 1.62 PG 031 €/pcs.
V288 Edge insula as per EN 12 made of PE f with self-add for the seale strips and se rubber adh e Part No. V278 Cold shrinl For optimum coupling con Roll: 50 mm press-fit cou Part No. Z1699 Install ation The respective are part of our Part No.	1 pce. ation strips 264-4, 150 m foam, with 44 hesive, welde ad connection eparating laterial esive strips PKU 50 m roll ktape corrosion re- nections as × 15 m, 1 roll pling connect PKU 1 pce. ninstruction rely valid insurvanty	210 g 150 mm Im high, 10 mn 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight/I 2.2 k esistance of press per ÖN H 5155 I is sufficient for a ctions (with a 50 % Weight/PKU 990 g 205 and design r stallation instruct and guarantee.	36 pce. a thick, at side foil tion with butyl PKU Sefit ppr ox. 35 % overlap) Carton 20 pcs. manual for ions	8 rolls	6.41 PG 030 €/m 1.62 PG 031 €/pcs. 23.43
V288 Edge insula as per EN 12 made of PE t with self-add for the seale strips and se rubber adh e Part No. V278 Cold shrinl For optimum coupling con Roll: 50 mm press-fit cou Part No. Z1699 Install ation The respective are part of our	1 pce. ation strips 264-4, 150 m foam, with 44 hesive, welde ed connection eparating la esive strips PKU 50 m roll (tape corrosion re- nections as × 15 m, 1 roll pling connect PKU 1 pce. ninstruction rely valid insuranty	210 g 150 mm Im high, 10 mn 0 mm fold, fror ed overlapping n of edge insula yer, rear side w Weight/I 2.2 k esistance of press per ÖN H 5155 I is sufficient for a ctions (with a 50 % Weight/PKU 990 g ons and design r stallation instruct and guarantee.	36 pce. a thick, a side foil tion with butyl PKU 9 Carton 20 pcs. and and a for ions	8 rolls	6.41 PG 030 €/m 1.62 PG 031 €/pcs. 23.43 PG 112

Accessories: see pages 36 to 45. <u>Please be sure</u> 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 ...).

"თბილი იატაკი"-ს მოდულური სისტემები

			(L					
VarioRast floor	heating system FBH							<u></u>
Pipe spacing 100								
 1.1 m² gr id foil 1.5 m VarioRail 3 pcs. fixing nee 	edles					Floor covering		L studio
• 10 m VarioProFi	le pipe 16x2 plus⁺					Screed		
Part No. FBH10	Weight	€/m² 27.50						
гопіч	1.8 kg/m ²	27.50						
Pipe spacing 150	mm							
Calculation price	for 1 m ² consisting of:					Edge insulation strip	s 150 mm	\supset
 1.1 m² gr id foil 	for the consisting of.				>/// (VarioRail K16/100		\supset
• 1.5 m VarioRail					A A	VarioProFile pipe 16	x2 plus⁺	
 3 pcs. fixing nee 6.7 m VarioProF 	ales ile pipe 16x2 plus⁺				THE .	Grid foil		51
Part No.	Weight	€/m²						\prec
FBH15	1.6 kg/m ²	21.00				Fixing needle		
D: : 000				4				
Pipe spacing 200	mm			-		Thermal insulation p site	prepared on-	
Calculation price	for 1 m ² consisting of:					Sile	4	10.000
 1.1 m² gr id foil 1.5 m VarioRail 	K16							1.00
 3 pcs. fixing nee 								11
• 5 m VarioProFile			1000	10 P		alsall.		23
Part No.	Weight	€/m²	-	and a lot		The state of the s		m
FBH20	1.2 kg/m ²	17.50	and the second second second	and the second second	_		24	1
Pipe spacing 250 Calculation price • 1.1 m ² gr id foil	mm for 1 m ² consisting of:		12	1				//
 1.5 m VarioRail 3 pcs. fixing nee 4 m VarioPr oFile 	edles							1
Part No.	Weight	€/m²				and the second second		
FBH25	1.1 kg/m ²	15.50				and an and the		
Pipe spacing 300	mm							-
	- 10							
Calculation price • 1.1 m ² gr id foil • 1.5 m VarioRail	for 1 m ² consisting of: K16							
• 3 pcs. fixing nee			-			7-		
	ile pipe 16x2 plus⁺	6 1- 2				//	190	1
Part No. FBH30	Weight 1.0 kg/m ²	€/m² 14.50		COLUMN STREET		1	11	\mathbf{x}
				27 - 1		- 17 M		χ_{2}
VarioProFilepi			PG 050	Gridfoil			PC	G 030
Aluminium multi-la PE-RT/AL/PE 16x	ayer composite pipe 2				sary covering of the parating layer) acco		(FOL	
Tested as per EN				EN 1264- 4	, made of 100 g	% polyethylene		#
	$_{nal}$ = 95 °C p_{max} = 6 ba				nulate with 50 mm mensions: 1030 mr			
	for surface heating/cooling	ng systems	Carlos .		1000 mm x 50 m = 5	0.0 m²	O H	
Easily bendable No oxygen diffus					(with a 30 mm overla	ap)		4
Profiled surface	(+15 %) for optimum heat	transfer		Part No.	PKU	Weight/PKU		/m²
.				V282	50 m ² roll	10.4 ka		1.75

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

10.4 kg

50 m² roll

special Offe

V282

1.75

VARIOTHFRM

VarioRail	PG 030			
VarioRail m	nade of PE, fo	or latching the Vario	ProFile	Lee en en
pipe 16x2 p	lus⁺, can be e	extended to any lengt	:h	A SPECIFICATION OF
required us	ing special c	lick technology, gri	d) j
spacing 50	mm, with ad	hesive strips		Click technology:
opaonig oo				
Part No.	Carton	€/m		
VK1610	1 m	140 g	50 x 1 m	3.39

Edge insula	ation strips 15		PG 030	
made of PE f with self-ad for the seale	oam, with 40 m hesive, welded ed connection o eparating layer	high, 10 mm thick, n fold, front side overlapping foil fedge insulation , rear side with butyl	E	
Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

Sleeve tube 40	00 mm		PG 030
tor protecting the	e VarioPro⊢ile pipe	16x2 in	
the area of move	ement joints, length	: 400 mm	and the second
Part No.	PKU	Weight/PKU	€/pce.
V2894	10 pcs.	200 g	1.15

Sleeve tube 50 r	n		PG 030
for protecting the	VarioProFile pipe	16x2 in	- Constant all restores
the area of moven	nent joints, length	: 50 m	
Part No.	PKU	Weight/PKU	€/ Roll
V2894R	1 roll	2.5 kg	93.90

Screed Ad	PG 031		
plastification strength an Consumptio 0.1-0.2 kg/r	liquification and uses flexural nt screed ment weight)	CE	
Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Fixingne	edles			PG 030
for fastenin insulation Length: 45	0	rioRail to the thermal	N	Π
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 profi	le10/70		PG 030
for movement Height: 70 mr	i joints, with adhe n, length 1 m	esive strips	
		1	- Contraction of the second se
Part No.	PKU	Weight/PKU	€/m
V2893	1 m	50 g	8.95

External bending spring ø 16 mm PG					
Bending spr	ring for easily	y bending Variother	m pipes		
over the ent	tire length fo	or pushing it furthe	r	2	
Part No.	PKU	Weight/PKU	€/pce.		
W055	1 pce.	440 g	23.10	• <u> </u>	

Coldshrin		PG 031		
For optimun	n corrosion	resistance of press	s-fit	\frown
coupling co				
Roll: 50 mm	appr ox. 35			
press-fit co				
Part No.	PKU	Weight/PKU	Carton	€/pcs.
Z1699	1 pce.	990 g	20 pcs.	23.43

Adhesive	tape			PG 031
for gluing the 50 mm x 66	-			
	in ron			
Part No.	PKU	Weight/PKU	Carton	€/pce.
V288	1 pce.	210 g	36 pce.	6.41

	Install ation in	struction	s and design manual	for FBH	PG 112
	The respectively	valid insta	allation instructions		· · · · ·
	are part of our w	arranty an	d guarantee.	FBH FBH	
			°		
				20	0
					1
					W Dorman
1	Part No.	PKU			€/pce.
1	VMONT3	1 pce.	Installation instru	ctions	
,	VPLAN3	1 pce.	Design manu	al	

Accessories: see pages 36 to 45. <u>Please be sure</u> 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 ...).

თბილი იატაკი მჭიმი ბეტონის ქვეშ



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

1.3 kg

VP16+500

500 m roll

49.0 kg

7 rolls

199.10

V2860

1.12 m²

11.99

13.44 m²

Connectingelement PG 03						
for VarioFix	for joining r	esidual pieces				
Dimensions	: 1400 × 100) mm				
Part No.	PKU	Weight/PKU	Carton	€/pce.		
V2896	1 pce.	120 g	20 pce.	5.70		

Fixinganchor	
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 40	00 m m		PG 030			
for protecting th	e VarioProFile pipe	16x2 in	_			
the area of move	ement joints, length	: 400 mm	North Contraction of the Contraction of the			
Part No.	PKU	Weight/PKU	€/pce.			
V2894	10 pcs.	200 g	1.15			

Sleeve tube 50 m			PG 030		
for protecting the Va	for protecting the VarioProFile pipe 16x2 in				
the area of moveme					
Part No.	PKU	Weight/PKU	€/ Roll		
V2894R	1 roll	2.5 kg	93.90		

Screed Ad	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/m ² with 70 mm cement screed (concentration 0.5-1 % of the cement weight)			CE
Part No.	PKU	Weight/PKU	€/canister
V279	5 kg canister	5 kg	20.80
V284	10 kg canister	10 kg	41.60

Adjustme	ntelement	t		PG 030
for VarioFix	in the door,	distribution manifold		
and edge ar	eas		いまたのでいた	
Dimensions	: 1400 × 200) mm		
Part No.	PKU	Weight/PKU	Carton	€/pce.
V2890	1 pce.	270 g	14 pce.	5.70

T-joint profi			PG 030
for movement	joints, with adhes	sive strips	-
Height: 70 mn	n, length 1 m		100 300
		5	
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				
			2	
Part No.	PKU	Weight/PKU	€/pce.	
W055	1 pce.	440 g	23.10	*

Cold shrini	ktape			PG 031
coupling con Roll: 50 mm	nnections a × 15 m, 1 r upling conn	resistance of pres s per ÖN H 5155 oll is sufficient for ections (with a 50	appr ox % over	
Part No.	PKU	Weight/PKU	Carto	on €/pcs.
Z1699	1 pce.	990 g	20 pc	cs. 23.43

Edge insu	lation strips 1	50 m m		PG 030
as per EN 1	264-4, 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 s	eparating layer,	rear side with butyl	3 1120	
rubber adh		,		
Part No.	PKU	Weight/PKU	Bag	€/m
V278	50 m roll	2.2 kg	8 rolls	1.62

Installation instructions and design manual G 112

The respectiv ely valid instal lation instructions are part of our warranty and guarantee.

for FBH	PC
FBH FBH	

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 ...).

თბილი იატაკი მჭიმი ბეტონის ქვეშ

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	€/m²
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	€/m²
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	€/m²
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	€/m²
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	€/m²	
FBHR30-20	20 mm	0.7 kg/m ²	14.50	
FBHR30-30	30 mm	1.0 kg/m ²	17.00	

VarioRoll thermal insulation & impact sound insulation

VarioRo	oll thermal insulation	n & impact sou	ndinsulation				1	PG 030
Made fro	o m monitored impact s	s ound	е					
	d easy installation	polystyren			VarioRoll 20-2		VarioRoll 30-2	
 Reaction 	to fire: Euroclass E							ł
	retaining power for		e incorporated weave					ł
	sta oad on screed	pler pins via th	5 kN/m²			V2855	V28	ő
• One-side	e (accordi d 30 mm	ng to EN 13	trips			18000		
Special I	overlap with	163) self-	as separating layer					
	aminated weave foil	adhesive s th		1	In sulation nominal	s 20 m m	Ins ulation nominal thickness	30 m m
	wi	50 mm grid		1	So thicknes und impact	26 dB	So und impact improvement	dB
					improvement		28	
			Declared thermal					
Part No.			conductivity	Compressibility	Dynamical	PKU		€/m²
	Insulation			Compressionity	stiffness	FRU	Woight/DKU	e/m
	nominal thickness	Roll width			0		Weight/PKU	
V2855	20 mm	1 m	0.040 W/mK	≤ 2 mm	≤ 30 MN/m3	10 m ² roll	4.1 kg	7.43
V285	30 mm	1 m	0.040 W/mK	≤ 2 mm	≤ 30 MN/m3	10 m ² roll	6.6 kg	9.53
-						/		

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	TC I	e		1
IС	ľ		~	т.

www.variotherm.co

Floor covering
Screed
Edge insulation strips 150 mm
VarioRoll thermal insulation and impact sound insulation (20 or 30 mm) VarioProFile pipe 16x2 plus+
Stapler pins

<u>Aarià</u> astell

PG 140

VarioProFil	e pipe 16	x2 plus+			PG 050	Stap
Aluminium mu PE-RT/AL/PE	,	omposite pipe	;			For in
ested as per		003				carrie
max = 70 °C			6 bar			
max – 70 C	t _{mal} = 55	O I Pmax -	o bai			
The perfect	pipe for su	rface heating/	cooling syste	ems		B
Easily benda	ble					5 Part I
No oxygen d	iffusion wh	atsoever				w013
Profiled surfa	ace (+15 %	6) for optimum	heat transfer			bec.
Part No.	PK	U W	/eight/PKU	Pallet	€/100 m	Stap
VP16+100	100 m		10.3 kg	21 rolls	199.10	For f
/P16+300 /P16+500	300 m 500 m		29.5 kg 49.0 kg	10 rolls 7 rolls	199.10 199.10	the Va
110+500	500 11	TOIL	43.0 Kg	710115	133.10	insula
						maga: which
T-joint profi					PG 030	_
for movement Height: 70 mn	•		nps			Part N V2853
	.,g					V2033
						Edge
Part No.	PKU		Weight/PKU	1	€/m	as per
V2893	1 m		50 g		8.95	made
			5			with s
						STRIDS
Sleevetube	400 m m				PG 030	strips rubbe
Sieeve tube		ProFile pipe 1	6x2 in			
	the VarioF					rubbe
for protecting	the VarioF					
for protecting the area of mo	the VarioF	oints, length:	400 mm			rubbe
for protecting the area of mo Part No.	the VarioF ovement jo					rubbe Part I V278 Exte
for protecting the area of mo Part No.	the VarioF ovement jo	PKU	400 mm Weight/Pł		€/pce.	rubbe Part 1 V278 Exte Bendi
for protecting the area of m Part No. V2894	the VarioF ovement jo	PKU	400 mm Weight/Pł		€/pce. 1.15	rubbe Part I V278 Exte
for protecting the area of m Part No. V2894 Sleeve tube	the VarioF ovement jo	PKU 10 pcs.	400 mm Weight/Pr 200 g		€/pce.	Part 1 V278 Exte Bendi over t
for protecting the area of m Part No. V2894 Sleeve tube for protecting	the VarioF povement jo 50 m the VarioF	PKU 10 pcs. ProFile pipe	400 mm Weight/Pł 200 g		€/pce. 1.15	Part I V278 Exte Bendi over t
for protecting the area of m Part No. V2894 Sleeve tube for protecting	the VarioF povement jo 50 m the VarioF	PKU 10 pcs. ProFile pipe	400 mm Weight/Pł 200 g		€/pce. 1.15	Part I V278 Exte Bendi over t W055
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo	the VarioF povement jo 50 m the VarioF	PKU 10 pcs. ProFile pipe ints, length:	400 mm Weight/Pł 200 g 16x2 in 50 m	κυ (€/pce. 1.15 PG 030	Part N V278 Exte Bendi over t W055 Scree
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No.	the VarioF povement jo 50 m the VarioF	PKU ProFile pipe proFile pipe ProFile pipe	400 mm Weight/Pł 200 g 16x2 in 50 m Weight/PK	κυ (€/pce. 1.15	Part I V278 Exte Bendi over t W055
for protecting	the VarioF povement jo 50 m the VarioF	PKU 10 pcs. ProFile pipe ints, length:	400 mm Weight/Pł 200 g 16x2 in 50 m	κυ (€/pce. 1.15 PG 030	Part I V278 Exte Bendi over t W055 Scr en Ceme
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No.	the VarioF povement jo 50 m the VarioF	PKU ProFile pipe proFile pipe ProFile pipe	400 mm Weight/Pł 200 g 16x2 in 50 m Weight/PK	κυ (€/pce. 1.15 PG 030	Part N V278 Exte Bendi over t W055 Scr e Ceme plastif
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R	the VarioF prement jc 50 m the VarioF prement jc	PKU ProFile pipe proFile pipe ProFile pipe	400 mm Weight/Pł 200 g 16x2 in 50 m Weight/PK	κυ (€/pce. 1.15 PG 030	Part N V278 Exte Bendi over t W055 Scree plastif streng Const 0.1-0.
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the	the VarioF prement jo 50 m the VarioF prement jo pe wide side	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll	400 mm Weight/Pr 200 g 16x2 in 50 m Weight/PK 2.5 kg	κυ (€/pce. 1.15 PG 030 €/ Roll 93.90	Part I V278 Exte Bendi over t W055 Scree plastif streng Conse
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Part No. V2894R Adhesive ta For gluing the VarioRoll rem	the VarioF povement jo 50 m the VarioF povement jo pe wide side nants	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll	400 mm Weight/Pr 200 g 16x2 in 50 m Weight/PK 2.5 kg	κυ (€/pce. 1.15 PG 030 €/ Roll 93.90	Part I V278 Exte Bendii over t W055 Scr e Part I W055 Scr e plastif streng Const 0.1-0. (conc Part I
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the	the VarioF povement jo 50 m the VarioF povement jo pe wide side nants	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll	400 mm Weight/Pr 200 g 16x2 in 50 m Weight/PK 2.5 kg	κυ (€/pce. 1.15 PG 030 €/ Roll 93.90	Part I V278 Exte Bendi over t W055 Scree plastif streng Const 0.1-0. (conc Part I V279
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm x	the VarioF prement jc 50 m the VarioF prement jc prement jc sudde side nants 56 m	PKU 10 pcs. ProFile pipe pints, length: PKU 1 roll	400 mm Weight/Pł 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and		€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031	Part I V278 Exte Bendii over t W055 Scr e Part I W055 Scr e plastif streng Const 0.1-0. (conc Part I
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Part No. V2894R Adhesive ta For gluing the VarioRoll rem	the VarioF povement jo 50 m the VarioF povement jo pe wide side nants	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll	400 mm Weight/Pł 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and		€/pce. 1.15 PG 030	Part I V278 Exte Bendi over t W055 Scree plastif streng Const 0.1-0. (conc Part I V279
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × Part No.	the VarioF prement jc 50 m the VarioF prement jc prement jc sudde side nants 66 m PKU	PKU 10 pcs. ProFile pipe pints, length: PKU 1 roll of the VarioF Weight/PKU	400 mm Weight/Pr 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and		€/pce. 1.15 PG 030 €/Roll 93.90 PG 031 PG 031 €/pce.	Part I V278 Exte Bendi over t Part I W055 Scree plastif streng Consi 0.1-0. (conc Part I V279 V284
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × Part No. V288	the VarioF prement jc 50 m the VarioF prement jc by ement jc ement jc by ement jc ement	PKU 10 pcs. ProFile pipe pints, length: PKU 1 roll of the VarioF Weight/PKU	400 mm Weight/Pr 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and		€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031 €/pce. 6.41	Part I V278 Exte Bendi over t W055 Scree Part I W055 Scree plastif streng Const 0.1-0. (conc Part I V279 V284
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × Part No. V288 Cold shrink	the VarioF prement jc 50 m the VarioF prement jc by ement jc wide side nants 66 m PKU 1 pce.	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll of the VarioF Weight/PKI 210 g	400 mm Weight/PH 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and J Carte 36 pc		€/pce. 1.15 PG 030 €/Roll 93.90 PG 031 PG 031 €/pce.	Part I V278 Exte Bendii over t W055 Scree Part I W055 Scree plastif streng Const 0.1-0. (conc Part I V279 V284
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm > Part No. V288 Cold shrink For optimum of	the VarioF prement jc 50 m the VarioF prement jc by ement jc ement jc em	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll of the VarioF Weight/PKI 210 g	400 mm Weight/PH 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and J Carte 36 pc		€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031 €/pce. 6.41	Part I V278 Exte Bendii over t W055 Scree Part I W055 Scree plastif streng Const 0.1-0. (conc Part I V279 V284
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × Part No. V288 Cold shrink For optimum of coupling conn	the VarioF povement jo 50 m the VarioF povement jo pe e wide side nants 66 m PKU 1 pce. 1 pce. tape corrosion r ections as	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll of the VarioF Weight/PKI 210 g	400 mm Weight/PH 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and J Carte 36 pc		€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031 €/pce. 6.41	Part I V278 Exte Bendii over t W055 Scree Part I W055 Scree plastif streng Const 0.1-0. (conc Part I V279 V284
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × V288 Cold shrink For optimum of coupling conn Roll: 50 mm ×	the VarioF povement jo 50 m the VarioF povement jo pe a wide side nants a 66 m PKU 1 pce. PKU 1 pce. tape corrosion r ections as 15 m, 1 ro	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll of the VarioF Weight/PKI 210 g esistance of s per ÖN H 51 II is sufficient	400 mm Weight/PH 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and J Carte 36 pc press-fit 55		€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031 €/pce. 6.41	Part I V278 Exte Bendi over t W055 Scree Plastif streny Const 0.1-0. (conc Part I V279 V284 Insta The re are pa
for protecting the area of mo Part No. V2894 Sleeve tube for protecting the area of mo Part No. V2894R Adhesive ta For gluing the VarioRoll rem Roll: 50 mm × Part No.	the VarioF povement jo 50 m the VarioF povement jo pe a wide side nants a 66 m PKU 1 pce. PKU 1 pce. tape corrosion r ections as 15 m, 1 ro	PKU 10 pcs. ProFile pipe bints, length: PKU 1 roll of the VarioF Weight/PKI 210 g esistance of s per ÖN H 51 II is sufficient	400 mm Weight/Pk 200 g 16x2 in 50 m Weight/PK 2.5 kg Roll and J Carta 36 pc 36 pc 55 : for appr ox. 3 a 50 % overla	CU U U S5 p)	€/pce. 1.15 PG 030 €/ Roll 93.90 PG 031 €/pce. 6.41	Part I V278 Exte Bendii over t W055 Scree Part I W055 Scree plastif streng Const 0.1-0. (conc Part I V279 V284

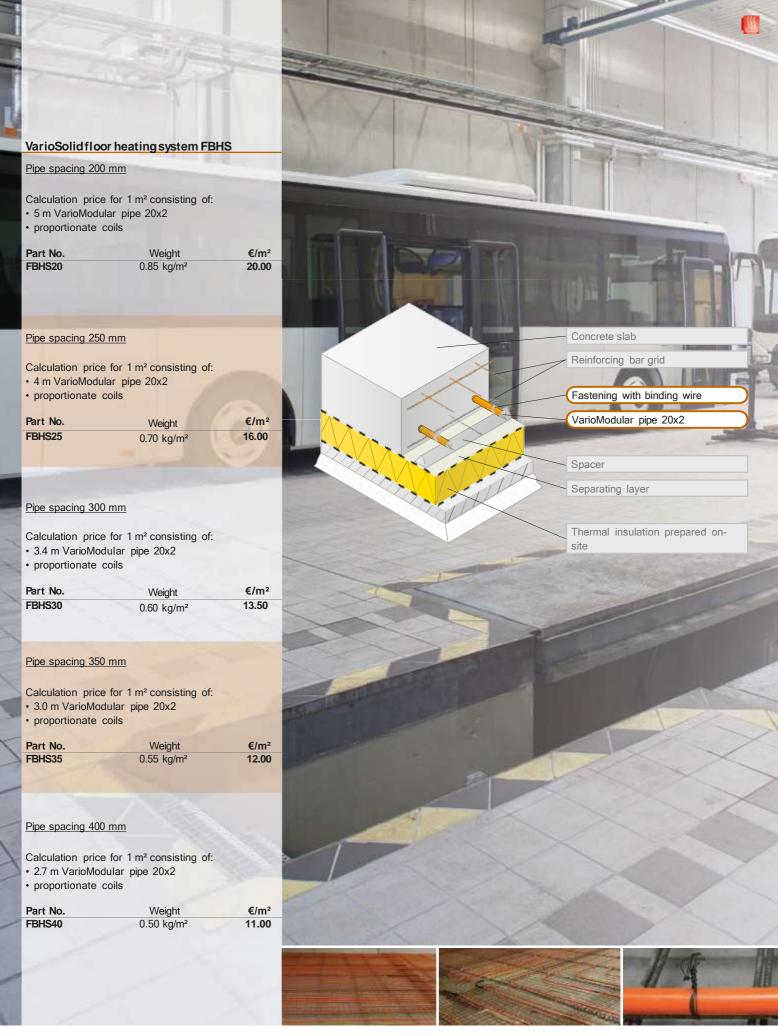
-	1 th e stapler pi 5 5 magazines	ns,		
Part No.	PKI		עדער	<i>Elmon</i>
W013		- weighter	8 kg	€/pce. 241.00
W015	1 pc	e. 2.0	s kg	241.00
Stapler pir				PG 030
	ng the VarioPi	• •		
	Il thermal and i	•		
	A new system			~~~~
0	ogether without		ips,	$\cap \mathcal{N}$
which preve	nts gluing of th	e stapler.		* * * 4
Part No.	Pł	KU	Weight/PK	U €/carton
V2853 C	arton at 12 mag	azines at 25 po	cs. 500 g	23.20
Edge insul	ation strips 1	50 m m		PG 030
made of PE with self-adl for the seale	264- 4, 150 mm foam, with 40 n hesive, welded ed connection of eparating layer esive strips	nm fold, front overlapping f of edge insulati	side foil on <u>†</u>	
Part No.	PKU	Weight/PK	(U Bac	a €/m
V278	50 m roll	2.2 kg	8 rol	
Bending spr	ending spring ing for easily be ire length for p PKU 1 pce.	ending Variothe		PG 140
44033	i pce.	440 g	23.10	
Screed Ad	mixture			PG 031
	eed admixture f	or the liquificat	tion and	F G 031
plastificatior strength an Consumptio 0.1-0.2 kg/n	n of the screed d initial strengtl	, increases flex n cement screed	xural	CE
Part No.	PKU	We	ight/PKU	€/canister
V279	5 kg caniste	۶r	5 kg	20.80
V284	10 kg caniste		10 kg	41.60
	3.55		U	
The respecti	on instruction ively valid insta our warranty an	allation instruc		Thur .
Part No.	PKU			€/pce.
VMONT3	1 pce.		on instructions	
VPLAN3	1 nce	Des	ign manual	

Accessories: see pages 36 to 45. <u>Please be sure</u> 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 ...).

Design manual

1 pce.

ინდუსტრიული თბილი იატაკი



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

VarioModula	rpipe 20x2			PG 050
	i-layer composite	e pipe		
PE-RT/AL/PE 20)x2			
Tested as per El	N ISO 21 003			
t _{max} = 70 °C	t _{mal} = 95 °C p	o _{max} = 6 bar		$\mathbf{\mathcal{Y}}$
The perfect pip systems				
 Light and easil 	y bendable			
 No oxygen diffu 	usion whatsoeve	r	and the second	
Part No.	PKU	Weight/PKU		
			Pallet	€/100 m
VM20L-150	150 m roll	23.5 kg	13 rolls	389.50

External bendi	n <mark>g spring ø 20</mark> mr	n	PG 140
Bending spring for	or easily bending V	ariotherm pipes over	
the entire length	for pushing it furt	her	
Part No.	PKU	Weight/PKU	€/pce.
W056	1 pce.	540 g	23.80

Sleeve tube 50 n	Sleeve tube 50 m					
for protecting the V	and a stable strange and					
the area of movem	ent joints, length	n: 50 m				
Part No.	PKU	Weight/PKU	€/ Roll			
V2897R	1 roll	3.6 kg	115.90			

Cold shrin	ktape			PG 031
coupling con Roll: 50 mm	nnections a ×15 m, 1 r	resistance of pres s per ÖN H 5155 oll is sufficient for ections (with a 50	approx	
Part No. Z1699	PKU 1 pce.	Weight/PKU 990 g	Car 20 p	e/pcs.

Clampingscre	PG 100				
	Especially developed for the Variotherm pipes				
20x2 on a 3/4" E					
piece, with meta					
isolation, AF 30,					
Part No.	€/pce.				
Z1500	6.02				
Z1500	6.02				

Batterypowere	dbindingtool	, complete	PG 140
For rapid fastenin to the reinforcing containing: • Battery power • 2x rechargeab • Extension arm work	g of the VarioN bar grid, in a ed binding tool le batteries and	Iodular pipe plastic case, MAX RB397 d charger	L.
Part No. W044	PKU 1 pce.	Weight/PKU 24.5 kg	€/pce. 4,773.50
	-		

Wire reel for binding tool PG 030 Reel of solid wire for binding tools (W044/W045) W044/W045) With 95 m of plain solid wire, for approx. 120 Image: Consumption: 1 connection/1.5 m of pipe Part No. PKU Weight/PKU €/pce. V2854 1 pce. 450 g 15.65

Press-fit coup	ling20x20		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 cham fering 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 respective	ely valid installa	ation instructions	
are part of our warranty and guarantee.		guarantee.	
Part No.	PKU		€/pce.
VMONT3S	1 pce.	Installation instructions	

Accessories: see pages 36 to 45. <u>Please be sure</u> 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.

