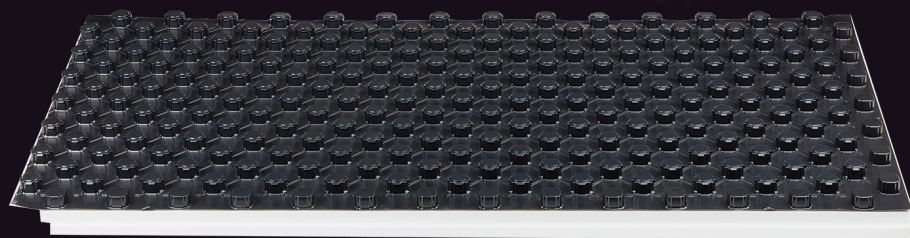


Conventional underfloor radiant panels



VARMO FORM Technical Data Sheet

Thermoformed insulating panels

Contents

DESCRIPTION	3
ADVANTAGES	4
FIELDS OF APPLICATION	4
PANEL GUIDE	5
TECHNICAL INFORMATION	6
SYSTEM COMPONENTS	7
INSTALLATION INSTRUCTIONS	8
RECOMMENDATIONS	11

VARMO FORM

Thermoformed insulating panels



DESCRIPTION

VARMO FORM insulating panels, made with solid bosses in sintered expanded polystyrene, are ideal for the construction of radiant heating systems.

It is a versatile and resistant system.

The bosses have an undercut to ensure the stable position of the tube and prevent horizontal and vertical movements.

The interlocking rigid coating film acts as a vapor barrier and gives the bosses mechanical strength. The installation is facilitated thanks to the lateral overlap with pressure coupling that guarantees a perfect seal against thermal bridges and self-leveling screeds.

It complies with the regulations in force regarding thermal insulation and with UNI EN 13163 of 2009 and UNI EN 1264-4 standards; it has CE marking.

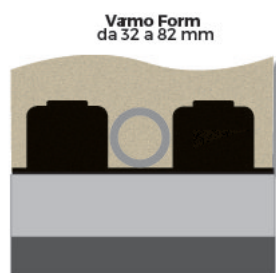
ADVANTAGES




- Quick and easy to install
- Immediate walkability of the floor after installation
- No limitations on the choice of floor coverings
- Mechanical strength
- Perfect resistance to thermal bridges and self-leveling screeds

FIELDS OF APPLICATION

APPLICATIONS	
	floor heating (low temperature)

PANEL GUIDE













LEGEND	REFERENCE
	Screed
	Insulating
	Solothurn

TECHNICAL INFORMATION

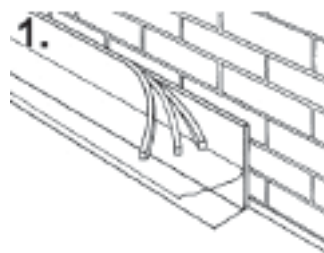
	PI00VFN32102 2H	PI00VFN4220 22H	PI00VFN5230 22H	PI00VFN6240 22H	PI00VFN7250 22H	PI00VFN8260 22H
Insulation height (mm)	10	20	30	40	50	60
TOTAL Height (mm)	32 (10 + 22)	42 (20 + 22)	52 (30 + 22)	62 (40 + 22)	72 (50 + 22)	82 (60 + 22)
Total panel size (mm)	1.400 x 800 (1.120 m ²)					
Pipes	16-17					
Panels per pack (n). Minimum quantity	22	16	12	10	8	7
m ² per pack	24.64	17.92	13.44	11.2	8.96	7.84
Thermal conductivity EN 12 667 W/mK	0.033	0.034				
Declared thermal resistance Rd (m ² K / W)	0.45	0.74	1.03	1.32	1.62	1.91
Density (EPS) (kg / m ³)	200	150				
Minimum installation pitch (mm)	50					
Resistant to fire EN 13501-1	Euroclasse E					
Resistant to compression at 10% deformation EN 826 (KPa)	200	150				
Resistance to vapor diffusion EN 12086 (μ)	40-100	30-70				

SYSTEM COMPONENTS

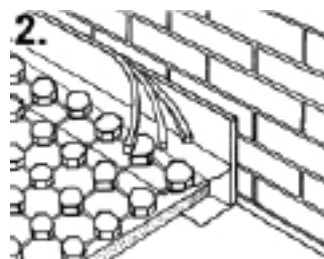
COMPONENTS	
	Mixing unit
	Distribution manifolds
	Pipes
	Pipe clip
	Perimeter edging
	Expansion joint
	Elbow
	Stabilizer network
	Vapor Barrier
	Additive

INSTALLATION INSTRUCTIONS

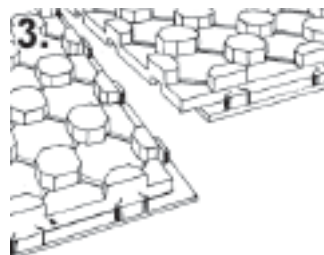
Fix the perimeter strip around the entire perimeter of the room, on the columns and on each vertical element, above the plaster.



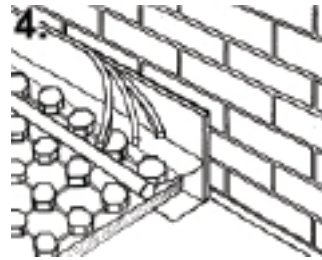
Lay the insulating plates adhering to the perimeter strip.



The joints must be staggered to make the whole more stable.



Lay the polyethylene sheet of the band over the insulating plate and lay the polyethylene pipe on top of it in order to avoid possible infiltration of the screed.

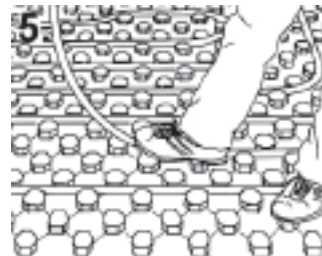


CIRCUIT REALIZATION

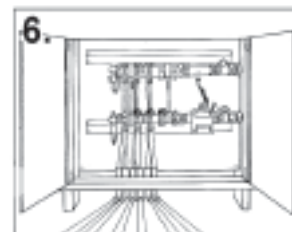
Once the panels have been fixed to the floor, you can proceed with the installation of the pipe by inserting it into the grooves on the panels.



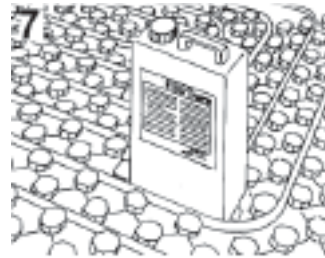
When laying the pipe, start from the delivery manifold following a double spiral pattern, unless otherwise specified in the project.



At the point of exit from the floor, the pipes must be protected with the fixing bends.



The additive in the amount of 150-200 gr / m² must be added to the laying casting.



RECOMMENDATIONS

For all the details on the installation of VARMO, it is advisable to carefully read Varmo catalogue which can be downloaded from the website www.generalfittings.it or consult the General Fittings technical office.



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