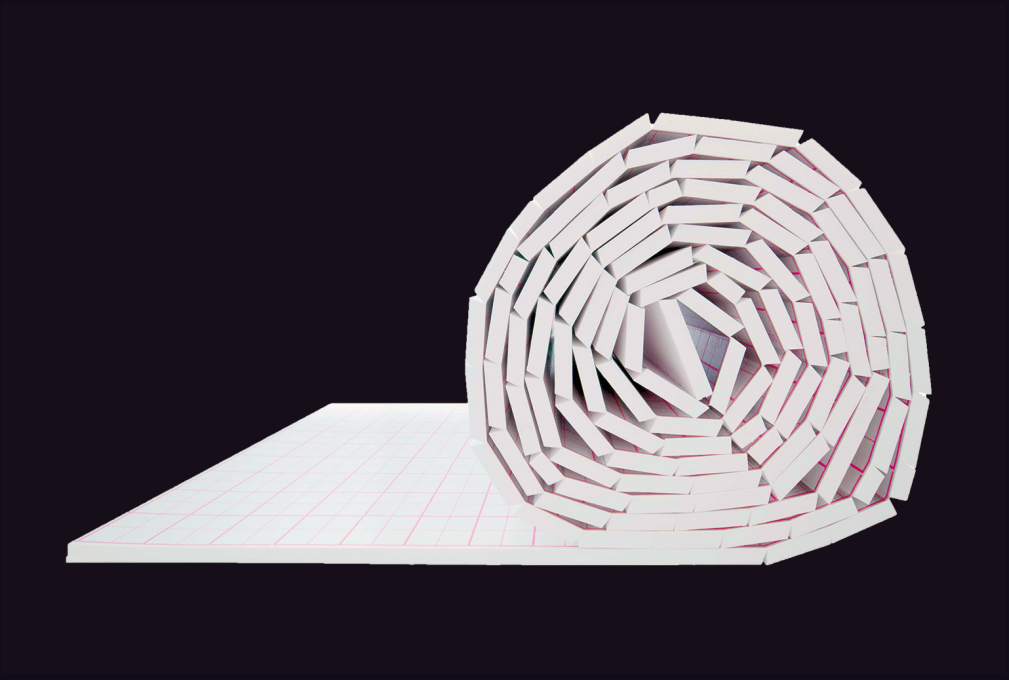
Conventional underfloor radiant panels



VARMO ROLL Technical Data Sheet

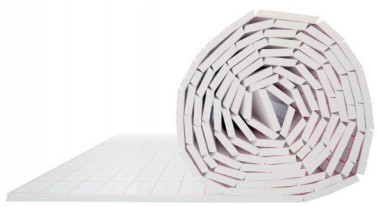
Roll insulation panels

GENERAL FITTINGS

Contents

VARMO ROLL

Roll insulation panels



DESCRIPTION

Insulating panels in closed cell expanded polystyrene, with self-adhesive perimeter edges and covered with reflective aluminised sheath with laying step tracing.
The film acts as a vapor barrier.
The geometry of the squares printed on the heat-reflecting film helps the laying of pipes of any diameter.

ADVANTAGES

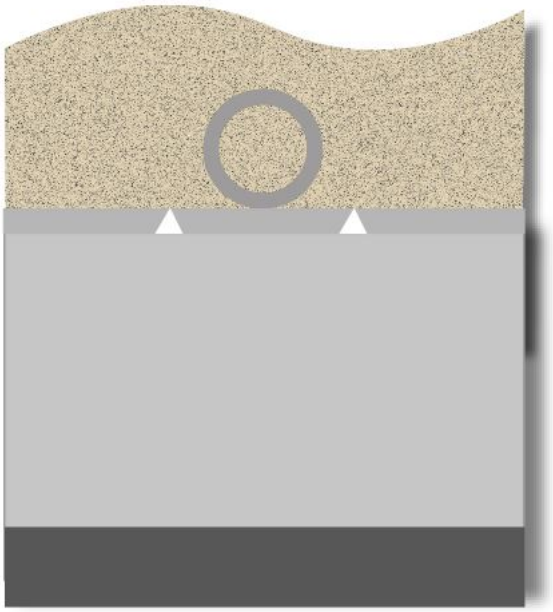
- Can be laid on pre-existing floors
- Quick and easy to install
- Immediate walkability of the floor after installation
- Heat-reflecting film with frame geometry that facilitates the laying of pipes
- No limitations on the choice of floor coverings
- Versatile, without constraints given by bosses, maximum flexibility in laying the pipe
- Optimal heat distribution, with the pipe completely embedded in the screed

FIELDS OF APPLICATION

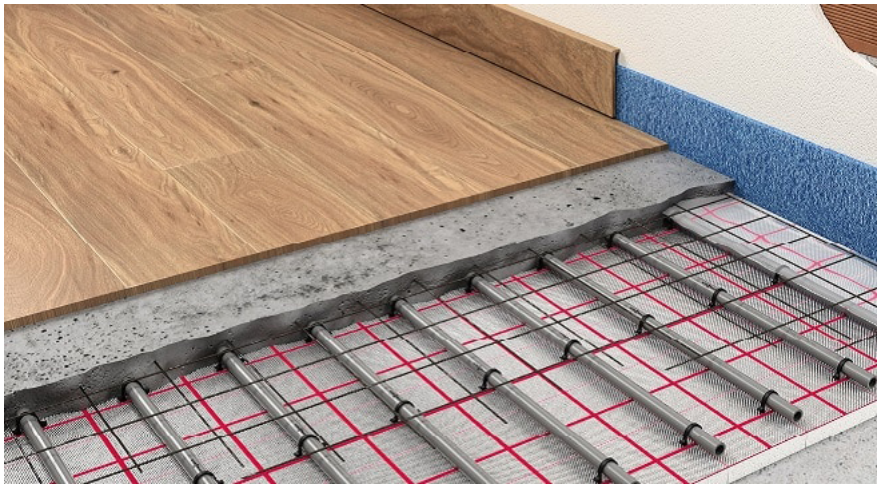
APPLICATIONS	
	floor heating (low temperature)

SECTION

Varmo Roll
da 20 a 40 mm*



LEGEND	REFERENCE
	Screed
	Insulating
	Solothurn



LEGEND	DESCRIPTION
1	Floor covering
2	Screed
3	Pipe
4	Varmo Roll panel
5	Stable solid and flat substrate

TECHNICAL INFORMATION

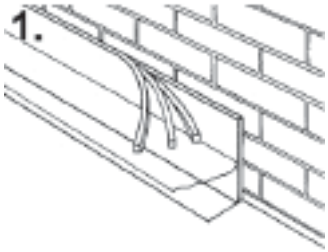
	PI00VRW200000H	PI00VRW300000H	PI00VRW400000H
Insulation Height (mm)	20	30	40
Pipes (mm)	all		
Total panel size (mm)	10.000x1.000 (10 m^2)		8.000x1.000 (8 m^2)
Thermal conductivity EN 12 667 W/mK	0.034		
Declared thermal resistance Rd (m2 K / W)	Aluminized sheath		
Density (EPS) (kg / m^3)	K150		
Minimum installation pitch (mm)	50		
Fire resistant EN 13501-1	Class F (Class E insulation only)		
Resistant to compression at 10% deformation EN 826 (KPa)	150		

COMPONENTS

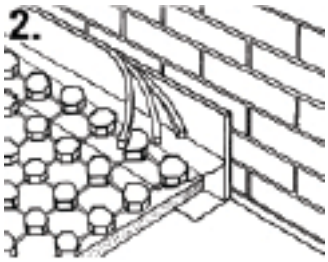
COMPONENTS	
	MIXING UNIT
	MANIFOLDS
	PIPE
	PIPE CLIP FOR BOSSED
	BAR
	PERIMETER EDGING
	EXPANSION JOINT
	ELBOW
	STABILIZER NETWORK
	VAPOR BARRIER
	ADDITIVE

INSTALLATION INSTRUCTIONS

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

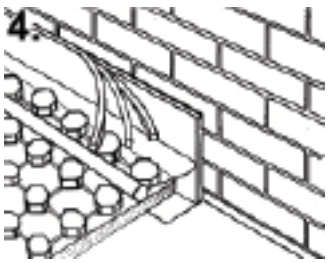


Lay the insulating plates adhering to the perimeter strip.



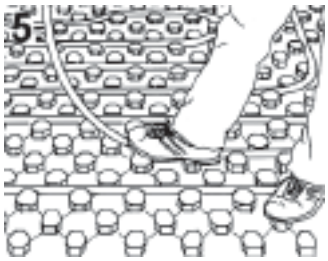
NB: Place one panel next to the other and glue them using a special strip or adhesive tape.

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.

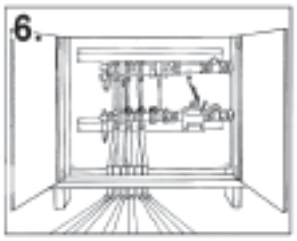


CIRCUIT REALIZATION
Once the panels have been fixed to the floor, you can proceed with the installation of the pipe by inserting it into the grooves on the panels.

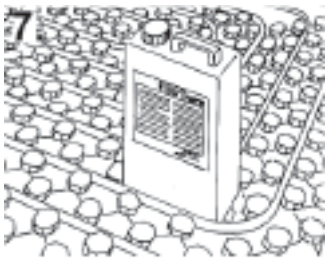
When laying the pipe, start from the delivery manifold following a double spiral pattern, unless otherwise specified in the project.



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 the VARMO CATALOGUE which can be downloaded from the website www.generalfittings.it or consult the General Fittings technical office.

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