



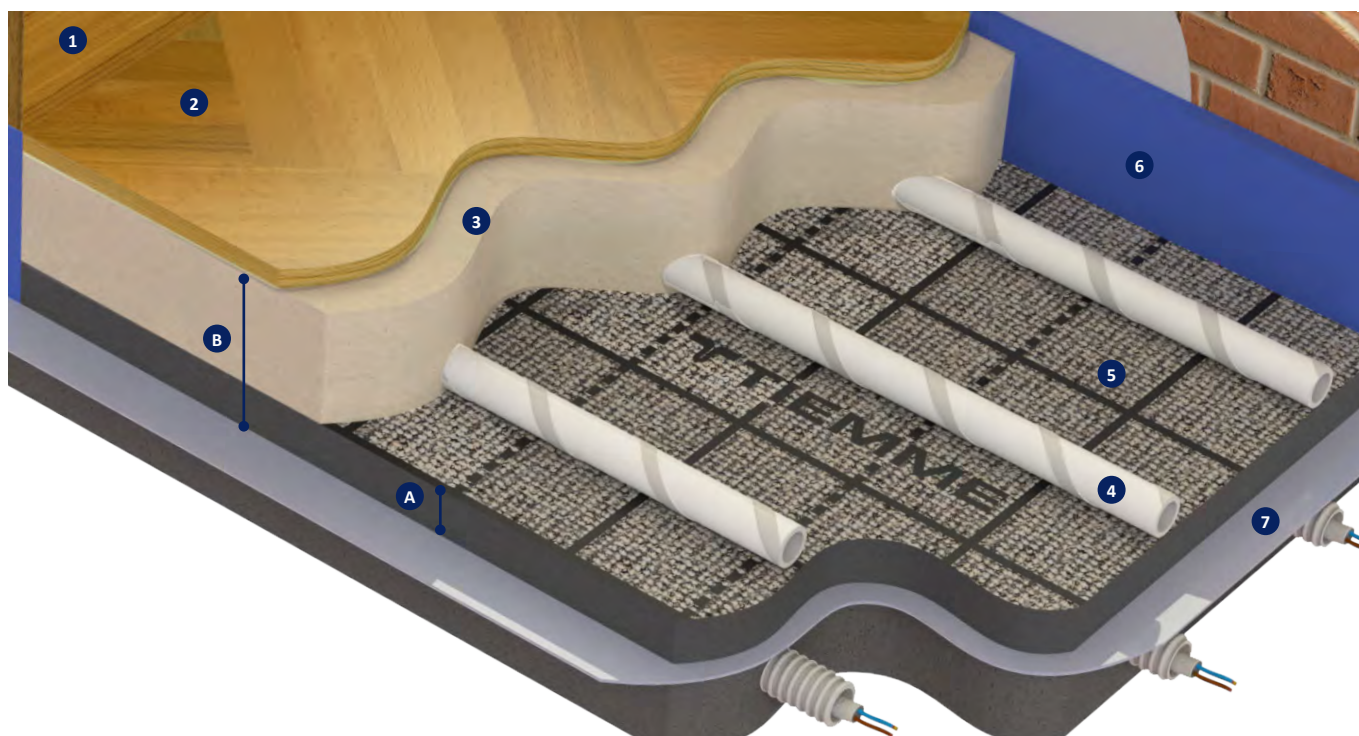
VELK
RADIANT FLOOR HEATING SYSTEM
WITH QUICK ANCHORING
FOR RESIDENTIAL/TERTIARY USE

VELK

Radiant floor heating and cooling system with quick anchoring for the installation of the pipe, which is distinguished by its versatility, ease and speed of laying.

The characteristic element of the VELK system is the EVOH PE-RT pipe, combined with the spiral strip with anchoring function that makes it perfectly coupled to the flat panel (art. 4541) and mat (art. 4534) in velcro by Tiemme, without the use of tools and clips.

The product range, consisting of the flat insulating panel (with insulation thicknesses complying with the thermal resistance requirements of UNI EN 1264:2021) and the mat, makes the system versatile and adaptable to different laying situations, from new construction to building renovations.



- 1. Skirting -
- 2. Coating -
- 3. Screed -
- 4. Pipe art. 0211B
- 5. Mat/Insulation panel art. 4534 - 4541
- 6. Perimeter strip art. 4507
- 7. PE sheet art. 4503

Code	Dimensions (mm)	
	A	B
450 0743	2	52 ÷ 62
450 0744	23	73 ÷ 83
450 0745	38	88 ÷ 98

THE STRENGTHS OF THE VELK SYSTEM:



**SPEED
OF REALIZATION
OF THE SYSTEM**



**LAYING WITHOUT TOOLS
AND CLIPS**



**PIPE WITH SYSTEM
OF ANCHOR**

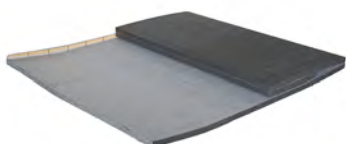


TECHNICAL CHARACTERISTICS

	Codes		
	450 0743	450 0744	450 0745
Thermal resistance UNI EN 13163 (m ² k/W)	-	0,77	1,27
Compression resistance to 10% UNI EN 826 (kPa)	-	150	
Insulation thickness (mm)	2 (adhesive strip)	23	38
Total thickness (mm)	2	23	38
Minimum pipe distance (mm)	50		
Thermal conductivity UNI EN 12667 (W/mk)	-	0,030	
Water absorption UNI EN 12087 (%)	-	3,0	
Reaction to fire EN 13501-1 (Euroclasse)	-	E	
Total panel size (mm)	20000 x 1050	10000 x 1000	
Useful panel size (mm)	20000 x 1000	10000 x 1000	
Useful panel area (m ²)	20	10	
Rolls per package (n)	1	6	4
Rolls area per package (m ²)	20	60	40

COMPONENTI DEL SISTEMA VELK

ART. 4541



Flat insulation panel in rolls for radiant floor systems, made of EPS-sintered expanded polystyrene with graphite to improve its thermal conductivity, coupled to a protective film in non-woven fabric suitable for the fixing of special pipes wrapped with quick-coupling strip (type "VELK" or "Velcro"). The upper surface has a screen print useful for laying the pipe with a minimum pipe distance of 50 mm. The panel is CE marked and is suitable for water-powered radiant systems for heating and cooling integrated into structures according to UNI EN 1264.

ART. 4534



Thin layer mat suitable for the fixing of special pipes wrapped with quick-coupling strip (type "VELK" or "velcro"), equipped with a useful screen printing for laying the pipe with pipe distance of 50 mm. The product consists of a top layer of fiber of only 2 mm thickness with a finish suitable for coupling with "VELK" systems. The bottom flap is provided with an adhesive that allows the mat to be fixed on clean flat surfaces (according to DIN 18202). Suitable for the construction of water-powered radiant systems for heating and cooling integrated in structures according to UNI EN 1264.

ART. 0211B



EVOH PE-RT pipe combined with spiral strip, made of self-adhesive polypropylene with micro-hook anchoring system, for combination with radiant systems type "VELK" or velcro.



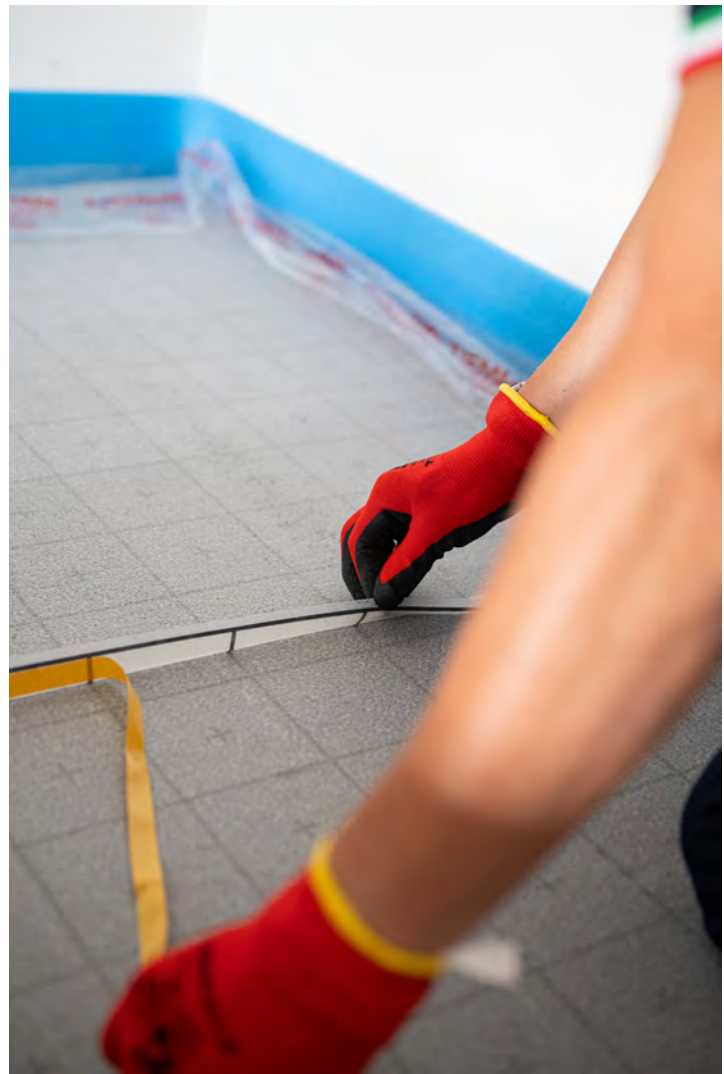
EASY INSTALLATION AND CUTTING OF THE PANEL/MAT
with reduction of processing waste and scrap



THERMAL INSULATION
in compliance with the Standard UNI EN 1264:2021 (Art. 4541)



SYSTEM ADAPTABLE TO DIFFERENT TYPES OF HOUSING
(new construction and renovation)





TIEMME RACCORDERIE S.p.A.
Via Cavallera, n. 6/A - 25045 Castegnato (BS) - Italy
Tel. +39 030 2142211 - info@tiemme.com

www.tiemme.com



TIEMME.COM

Rev. 0 - 07 2024