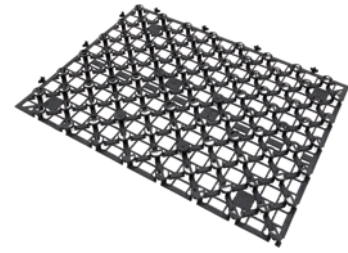


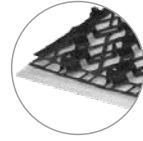
## Types of Spider Panels

### SELF-ADHESIVE PANEL



**Standard**  
**R979SY101**

- Thickness 22 mm
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  16-17 mm



**Slim**  
**R979SY005**

- Thickness 15 mm
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  12 mm

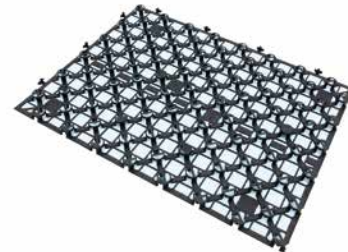
### PANEL WITH PINS



**Standard**  
**R979SY011**

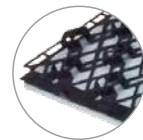
- Thickness 22 mm
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  16-17 mm

### PANEL WITH 6-MM INSULATION



**Standard**  
**R979SY021**

- Thickness 28 mm  
(22 mm + 6 mm of insulation)
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  16-17 mm



**Slim**  
**R979SY025**

- Thickness 21 mm  
(22 mm + 6 mm of insulation)
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  12 mm

### CAM CERTIFICATION

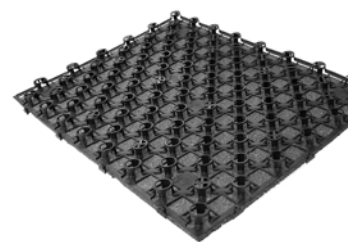


**R979SC version**

- Thickness from 32 to 72 mm  
(insulation 10 - 50 mm)
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  16-17 mm

- R979SCY021 insulation** 10 mm
- R979SCY022 insulation** 20 mm
- R979SCY023 insulation** 30 mm
- R979SCY024 insulation** 40 mm
- R979SCY025 insulation** 50 mm

### ACUSTIC PANEL



- Thickness from 52 to 72 mm  
(insulation 30 and 50 mm)
- Panel pitch multiples of 50 mm
- Suitable pipes  $\varnothing$  16-17 mm

**R979SA version**

- R979SAY023 insulation** 30 mm
- R979SAY025 insulation** 50 mm

## Klima Renew products and accessories

PIPES	MANIFOLDS	ACCESSORIES	PROTECTIVE ADDITIVE
Safety guaranteed in time. Giacomini's in-house production uses new generation extruders to manufacture the pipes in line starting from the pellet base polymer and up to coiling.	Convenient installation. A manifold range designed to meet every installation requirement. From basic distribution terminals up to preassembled units integrating water mixing and distribution. Brass or plastic: the hydraulic solution for every radiant circuit.	Wall edge strip, plug for pipe anchoring, adapters, bend support, etc.	100%-organic anti-corrosion and anti-scaling chemical product, fit for high and low temperature systems, radiant panels and hot/cold combined circuits.



### THERMOREGULATION

KLIMAdomotic is a smart control system optimized for radiant panel installations. It enables to control every element of indoor comfort - from heating to summer HVAC, air exchange and humidity control - through one single user interface.

Giacomini created Klimabus with the most advanced technologies. This system is specifically designed for climate control of radiant installations to achieve the highest levels of efficiency and comfort. The devices are connected through special wires used to transfer messages properly encoded.

The Stand Alone series with thermostats, chronothermostats and chronothermohumidists able to work as units autonomous from the control units. The benefit of this control technique is its simplicity: complex systems are efficiently controlled through a minimum number of devices.



LoRa WiFi Modbus



### DEHUMIDIFICATION/INTEGRATION AIR TREATMENT

Safety guaranteed in time. Giacomini's in-house production uses new generation extruders to manufacture the pipes in line starting from the pellet base polymer and up to coiling.

### HEAT RECOVERY

Dual-flow duct-type ventilation units with high-efficiency heat recovery through a cross-flow countercurrent static heat exchanger.

### (CLEAN-AIR)

Dual-flow ventilation units with high-efficiency active thermodynamic heat recovery in summer and winter. They include a reversible heat pump circuit to recover energy for the room from the vacuum air, but no static heat exchanger.



Radiant  
Systems

ER0003 JAN2022

## Spider

Spider panels for low-thickness  
floor systems



## Klima Renew

**Klima Renew** is the system designed to meet the growing demand for radiant floors even in those situations where the thickness available for installation is very reduced: **the perfect solution for renovation works.** It can feature the special plastic Spider panels on which 16-17 mm-diameter pipes are fitted (standard version) to guarantee very limited losses of pressure and create circuits identical to those of more traditional versions. For even lower thicknesses, now available are **Spider Slim**, panels, lowered panels fit for 12 mm-diameter pipes.

### WHY CHOOSE IT?

- Lower screeds of just few cm
- More convenient installation of radiant floors in renovation works
- Quicker activation times thanks to limited thermal inertia

Find our more at [giacomini.com](http://giacomini.com)



**Self-adhesive version.** Remove the protection film and lay the panel on the foundation or the existing floor, then fit the side hooks on top to connect.



**Version with insulation.** Lay the panels on the foundation or the existing floor and fit the side hooks on top to connect the panels to each other.



**Panel laying.** Coat the entire surface that will be used for the radiant system.



**Pipe laying.** Lay the circuits in compliance with the project minimum bending radius, pitches and lengths.

### Klima Renew – Standard Spider Panels



#### WHY CHOOSE IT?

- THE IDEAL SOLUTION FOR RENOVATION WORKS AND WHEN LOW INSTALLATION THICKNESSES ARE REQUIRED
- LOW THICKNESS
- 16-17 MM PIPE
- REDUCED THERMAL INERTIA

The R979S Spider panel is a "three-dimensional" grid molded in plastic, or more precisely, in high-resistance polypropylene. Its limited height and shape make it especially fit for renovation works, with a consequent energy efficiency upgrade. The patented geometry of the three-dimensional grid enables to firmly fit the pipe during laying while drowning it completely into the screed. This provides an even and flawless heat distribution along with limited thermal inertia. Available in three versions: R979SY101, with self-adhesive base for application on foundations or existing floors; R979SY011, with fitting pins for application on an existing insulation layer; R979SY021, combined to a 6-mm high-density insulation layer

PANEL CODE	PANEL TOTAL HEIGHT [MM]	(A) INSULATION/ PROTRUSION HEIGHT [MM]	(B) SCREED MINIMUM HEIGHT [MM]	(C) A+B MINIMUM HEIGHT WITHOUT COATING [MM]
<b>R979SY101</b>	22	0/22	25 (with self-leveling screed)	25 (with self-leveling screed)
			35 (with anhydrite screed)	35 (with anhydrite screed)
			40 (with sand + concrete)	40 (with sand + concrete)
<b>R979SY011</b>	22 + pins	S <sub>1</sub> /22	35 (with anhydrite screed)	35 + S <sub>1</sub> (with anhydrite screed)
			40 (with sand + concrete)	40 + S <sub>1</sub> (with sand + concrete)
			30 (with self-leveling screed)	36 (with self-leveling screed)
<b>R979SY021</b>	28 (6 mm insulation included)	6/22	35 (with anhydrite screed)	41 (with anhydrite screed)
			40 (with sand + concrete)	46 (with sand + concrete)
			40 (with sand + concrete)	46 (with sand + concrete)

\* S<sub>1</sub> Insulation thickness not provided with Spider



© VIDEO

Section with Spider panel

### Klima Renew – Slim Spider Panels

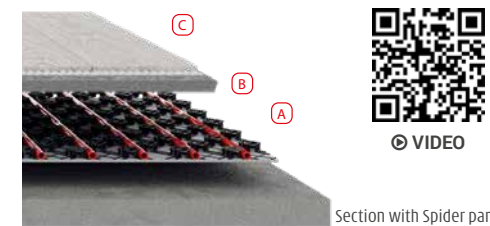


#### WHY CHOOSE IT?

- THE IDEAL SOLUTION FOR RENOVATION WORKS AND WHEN LOW INSTALLATION THICKNESSES ARE REQUIRED
- EXTREMELY LOW THICKNESS (LOWER THAN THE STANDARD VERSION)
- 12 X 1,1 PIPE

The R979S Spider Slim panel is a "three-dimensional" grid molded in plastic, or more precisely, in high-resistance polypropylene. Its limited height and shape make it especially fit for renovation works, with a consequent energy efficiency upgrade. The patented geometry of the three-dimensional grid enables to firmly fit the pipe during laying while drowning it completely into the screed. This provides an even and flawless heat distribution along with limited thermal inertia. Available in two versions: R979SY005, with self-adhesive base for laying on foundations or existing floors; R979SY025, combined to a 6 mm-thick high-density insulation layer.

PANEL CODE	PANEL TOTAL HEIGHT [MM]	(A) INSULATION/ PROTRUSION HEIGHT [MM]	(B) SCREED MINIMUM HEIGHT [MM]	(C) A+B MINIMUM HEIGHT WITHOUT COATING [MM]
<b>R979SY005</b>	15	0/15	20 (with self-leveling screed)	20 (with self-leveling screed)
			35 (with anhydrite screed)	35 (with anhydrite screed)
			40 (with sand + concrete)	40 (with sand + concrete)
<b>R979SY025</b>	21	6/15	20 (with self-leveling screed)	26 (with self-leveling screed)
			35 (with anhydrite screed)	41 (with anhydrite screed)
			40 (with sand + concrete)	46 (with sand + concrete)



© VIDEO

Section with Spider panel

### Klima Renew - Spider Cam Panels

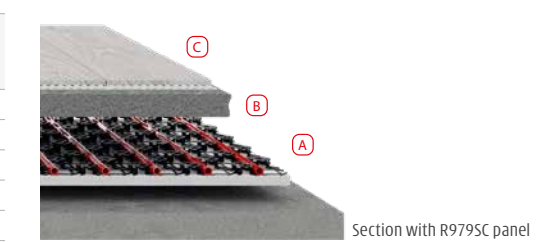


#### WHY CHOOSE IT?

- CAM-CERTIFIED INSULATION PANEL (MINIMUM ENVIRONMENT CRITERIA)
- SCREED THICKNESS LOWER THAN TRADITIONAL RADIANT FLOOR SYSTEMS
- 17X2 - 16X2 PIPE

The R979SC Spider panel is a "three-dimensional" grid molded in plastic, or more precisely, in high-resistance polypropylene. The coupled EPS insulation panel is CAM-certified (Minimum Environmental Criteria) and therefore fit for installation in public premises. This panel range includes a variety of heights, from 10 mm up to 50 mm. The patented geometry of the three-dimensional grid enables to firmly fit the pipe during laying while drowning it completely into the screed. This ensures an ideal and even distribution of heat combined to a lower screed height above the pipe compared to traditional systems.

PANEL CODE	PANEL TOTAL HEIGHT [MM]	(A) INSULATION/ PROTRUSION HEIGHT [MM]	(B) SCREED MINIMUM HEIGHT [MM]	(C) A+B MINIMUM HEIGHT WITHOUT COATING [MM]
<b>R979SCY021</b>	32	10/22	40 (with sand + concrete)	50
<b>R979SCY022</b>	42	20/22		60
<b>R979SCY023</b>	52	30/22		70
<b>R979SCY024</b>	62	40/22		80
<b>R979SCY025</b>	72	50/22		90



Section with R979SC panel

### Klima Renew - Soundproofing Spider Panels

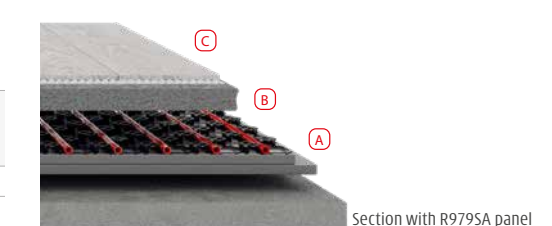


#### WHY CHOOSE IT?

- EPS ELASTICIZED INSULATION PANEL WITH GRAPHITE PROVIDING FOR ENHANCED SOUNDPROOFING
- ENHANCED THERMAL INSULATION CAPACITY
- 17X2 - 16X2 PIPE

The R979SA Spider panel is a "three-dimensional" grid molded in plastic, or more precisely, in high-resistance polypropylene. The elasticized EPS insulation panel with graphite features a low dynamic stiffness and with proper screed thicknesses (min height above insulation 60 mm) it therefore offers enhanced soundproofing properties. The range includes a variety of accessories, such as the soundproofing edge strip, to complete this dedicated technical solution. The patented geometry of the three-dimensional grid enables to firmly fit the pipe during laying while drowning it completely into the screed. This ensures an ideal and even distribution of heat combined to a lower screed height above the pipe compared to traditional systems.

PANEL CODE	PANEL TOTAL HEIGHT [MM]	(A) INSULATION/ PROTRUSION HEIGHT [MM]	(B) SCREED MINIMUM HEIGHT [MM]	(C) A+B MINIMUM HEIGHT WITHOUT COATING [MM]
<b>R979SAY023</b>	52	30/22	60	90
<b>R979SAY025</b>	72	50/22	60	110



Section with R979SA panel