Radiant
Systems

ER0003 GEN2025

Spider

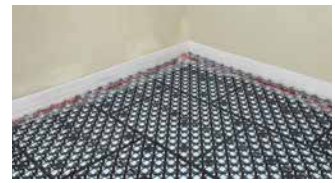
The preformed panel with 3D grid for low thickenss and reduced thermal inertia radiant floor systems.

GIACOMINI
WATER E-MOTION

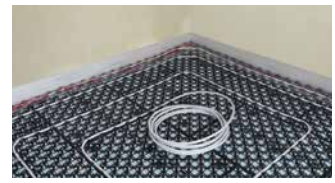
Spider by Giacomini is the low thickness and reduced thermal inertia panel designed for installation of radiant floors in all kinds of new or under-renovation buildings that achieves top-notch comfort in the blink of an eye. Its reduced height enables to limit the screed dimensions to a few centimetres and **lay the panels in a quick and easy way also in complex renovation sites**, where the height available for installation of the system is particularly reduced. Plus, thanks to Spider's reduced thermal inertia, **the ideal temperature in all rooms is achieved in just 20 minutes**, thus sensibly cutting down consumptions in the name of energy and money saving.

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.

Three reasons to choose Spider

1

Screed dimensions limited to just a few cm

2

Easy installation of the radiant floor in renovation sites

3

Ideal temperature achieved in all rooms in just 20 minutes

Klima Renew – Standard Spider Panels

WHY CHOOSE IT?

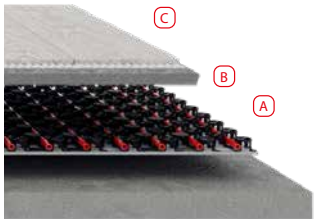
- **THE IDEAL SOLUTION FOR RENOVATION WORKS AND WHEN LOW INSTALLATION THICKNESSES ARE REQUIRED**
- **LOW THICKNESS**
- **16-17 MM PIPE**
- **REDUCED THERMAL INERTIA**

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, R979SY121 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]
R979SY101	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)
R979SY011	22 + pins	S_I*/22	35 (with anhydrite screed)	35 + S_I (with anhydrite screed)
			40 (with sand + concrete)	40 + S_I (with sand + concrete)
R979SY021	28 (6 mm insulation included)	6/22	30 (with self-leveling screed)	36 (with self-leveling screed)
			35 (with anhydrite screed)	41 (with anhydrite screed)
			40 (with sand + concrete)	46 (with sand + concrete)
R979SY121	28 (6 mm insulation included)	6/22	30 (with self-leveling screed)	36 (with self-leveling screed)
			35 (with anhydrite screed)	41 (with anhydrite screed)
			40 (with sand + concrete)	46 (with sand + concrete)

*S_I *Insulation thickness not provided with Spider*

VIDEO



Section with Spider panel

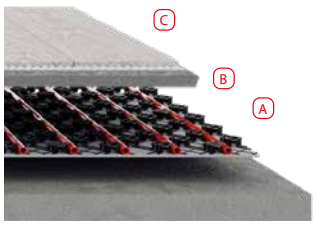
Klima Renew – Slim Spider Panels

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]
R979SY005	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)
R979SY025	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

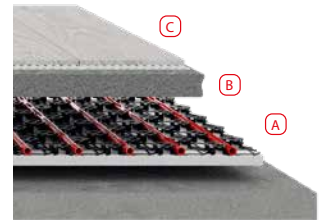
Klima Renew - Spider Cam Panels

WHY CHOOSE IT?

- **CAM-CERTIFIED INSULATION PANEL (MINIMUN 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]
R979SCY021	32	10/22	40 (with sand + concrete)	50
R979SCY022	42	20/22		60
R979SCY023	52	30/22		70
R979SCY024	62	40/22		80
R979SCY025	72	50/22		90



Section with R979SC panel

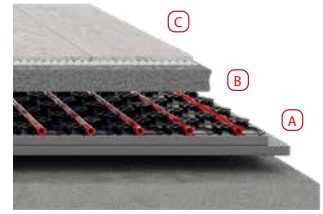
Klima Renew - Soundproofing Spider Panels

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.

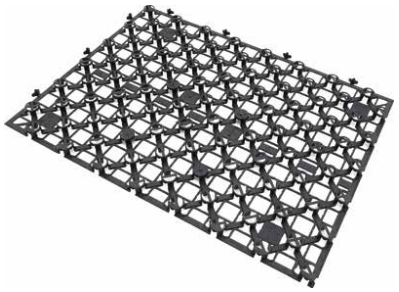
PANEL CODE	PANEL TOTAL HEIGHT [MM]	(A) INSULATION/ PROTRUSION HEIGHT [MM]	(B) SCREED MINIMUM HEIGHT [MM]	(C) A+B MINIMUM HEIGHT WITHOUT COATING [MM]
R979SAY023	52	30/22	60	90
R979SAY025	72	50/22	60	110



Section with R979SA panel

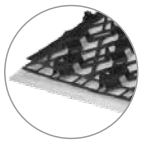
Types of Spider Panels

SELF-ADHESIVE PANEL



Standard
R979SY101

- ***Thickness*** 22 mm
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 16-17 mm



Slim
R979SY005

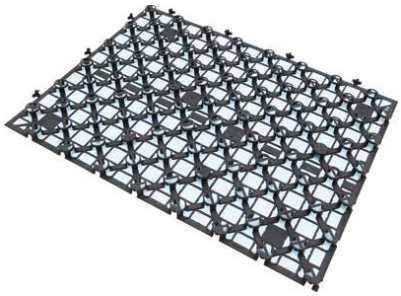
- ***Thickness*** 15 mm
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 12 mm

PANEL WITH PINS

Standard
R979SY011

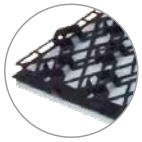
- ***Thickness*** 22 mm
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 16-17 mm

PANEL WITH 6-MM INSULATION



Standard
R979SY021
R979SY121

- ***Thickness*** 28 mm
  (22 mm + 6 mm of insulation)
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 16-17 mm



Slim
R979SY025

- ***Thickness*** 21 mm
  (22 mm + 6 mm of insulation)
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 16-17 mm

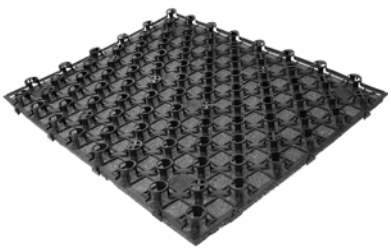
CAM CERTIFICATION

- ***Thickness*** from 52 to 72 mm
  (insulation 10 - 50 mm)
- ***Panel pitch*** multiples of 50 mm
- ***Suitable pipes*** ø 16-17 mm

R979SC version

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*** ø 16-17 mm

R979SA version

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

Klima Renew products and accessories

PIPES

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.

MANIFOLDS

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.

ACCESSORIES

Wall edge strip,
plug for pipe anchoring, adapters, bend support, etc.

PROTECTIVE ADDITIVE

100%-organic anti-corrosion and anti-scaling hemical 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 chronothermohumidistats 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.

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.

RECUPERATORI DI CALORE

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.

GIACOMINI
WATER E-MOTION

MARCHIO STORICO

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