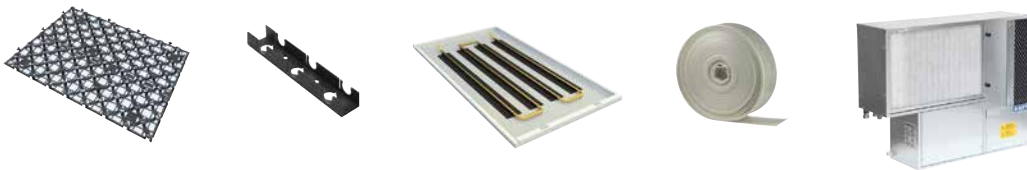


Chapter 9 Radiation is the most natural physical principle for transmitting hot and cold and, therefore, more respectful of the health and well-being of the person.

Our radiant systems are all inspired, in their concept, by this principle.

And they are all designed and produced completely by us.



Radiant systems

Products

200	Overview of radiant floor systems
204	Components for radiant floor systems
209	Radiant dry floor system
210	Overview of radiant ceiling systems
212	Metallic radiant suspended ceilings, series GK
213	Metallic radiant suspended ceilings, series GK PSV
214	Radiant plasterboard ceilings, series GKC
214	Radiant plasterboard ceilings, series GKCD
215	Radiant plasterboard ceilings, series GKCS V.2.0
217	Air treatment units

Overview of radiant floor systems

SISTEMA KLIMA RENEW

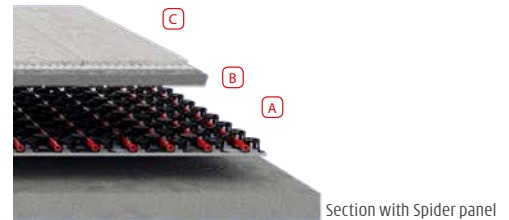


WHY CHHOSE IT?

- IDEAL FOR RENOVATION WORKS AND WHEN REDUCED INSTALLATION THICKNESSES ARE AVAILABLE
- REDUCED THICKNESS
- PIPE 17x2 - 16x2

The R979S Spider panel is a "tridimensional" mesh printed on plastic, more specifically on high-resistance polypropylene. Its reduced overall height and shape make this panel particularly suitable for renovation and energy requalification interventions. The patented geometry of the tridimensional mesh enables to firmly fit the pipe during installation and fully conceal it in the screed. This ensures an ideal and even heat distribution combined to reduced thermal inertia. Available in three versions: R979SY001 with adhesive base for application on existing floors or floor roughs; R979SY011 with fitting pegs for application on pre-existing insulation layers; R979SY021 combined to a 6 mm thick high-density insulation layer.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979SY001	22	-	25 (self-leveling)	25 (self-leveling)
			35 (anhydrite-based)	35 (anhydrite-based)
			40 (sand+concrete)	40 (sand+concrete)
R979SY011	22 + pegs	S _i *	35 (anhydrite-based)	35 + S _i (anhydrite-based)
			40 (sand+concrete)	40 + S _i (sand+concrete)
R979SY021	28 (6 mm insulation included)	6	25 (self-leveling)	31 (self-leveling)
			35 (anhydrite-based)	41 (anhydrite-based)
			40 (sand+concrete)	46 (sand+concrete)



PANEL CODE	A PANEL TOTAL HEIGHT [MM]	B MINIMUM HEIGHT SELF-LEVELING SCREED [MM]	C ALTEZZA MINIMA A+B ESCLUSO RIVESTIMENTO [MM]
R883F-R884F	18	5	23

SISTEMA KLIMA RENEW SLIM

NEW

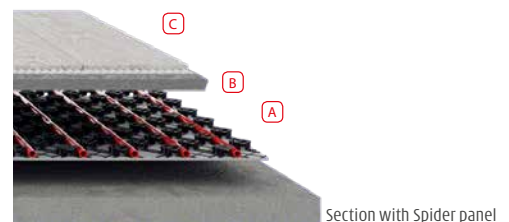


WHY CHHOSE IT?

- IDEAL FOR RENOVATION WORKS AND WHEN REDUCED INSTALLATION THICKNESSES ARE AVAILABLE
- REDUCED THICKNESS, LOWER THAN STANDARD VERSION
- PIPE 12x1,1

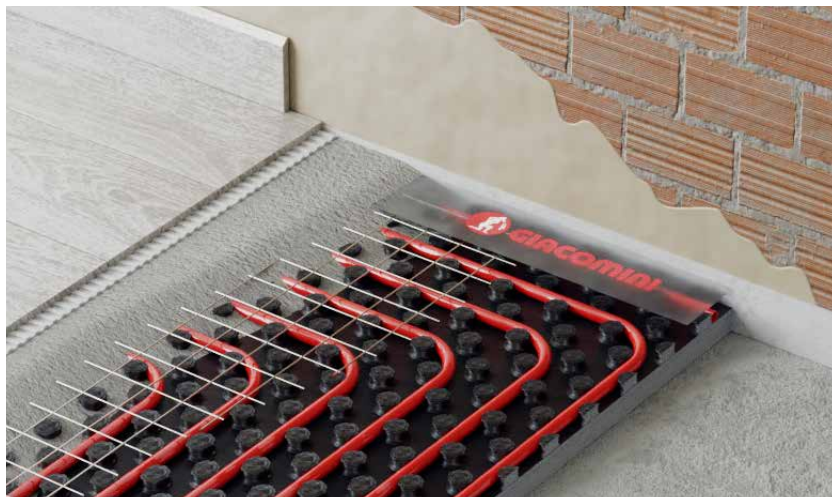
The R979S Spider panel is a "tridimensional" mesh printed on plastic, more specifically on high-resistance polypropylene. Its reduced overall height and shape make this panel particularly suitable for renovation and energy requalification interventions. The patented geometry of the tridimensional mesh enables to firmly fit the pipe during installation and fully conceal it in the screed. This ensures an ideal and even heat distribution combined to reduced thermal inertia. Available in three versions: R979SY005 with adhesive base for application on existing floors or floor roughs; R979SY025 combined to a 6 mm thick high-density insulation layer.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979SY005	15	-	20 (self-leveling)	20 (self-leveling)
			35 (anhydrite-based)	35 (anhydrite-based)
			40 (sand+concrete)	40 (sand+concrete)
R979SY025	21	6	20 (self-leveling)	26 (self-leveling)
			35 (anhydrite-based)	41 (anhydrite-based)
			40 (sand+concrete)	46 (sand+concrete)



R979G

NEW

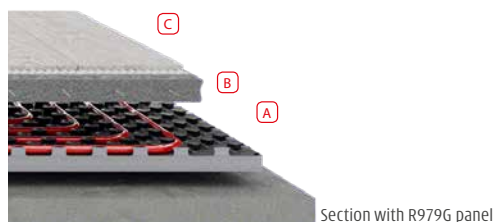


WHY CHHOSE IT?

- GRAPHITE-ENHANCED EPS FOR HIGH PERFORMING THERMAL INSULATION
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Preformed insulation panels R979G are the natural evolution of panel R979 with the same geometrical features but increased insulating capacity, thanks to a GRAPHITE-ENHANCED EPS-T insulation. The panels consist of a sheet of GRAPHITE-ENHANCED (EPS) polystyrene foam combined to a 0,6 mm thick protection layer in preformed polystyrene. Pipe laying times are reduced thanks to the special protrusion with preformed fins to hold the pipe in place and no clips required. Fit for circuits with multiples of 50 mm laying pitches and Ø16-18 mm pipes. R979G is one of the market widest range for thicknesses and thermal resistance values.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979GY003	32	10/22	30	62
R979GY004	42	20/22	30	72
R979GY005	52	30/22	30	82
R979GY006	62	40/22	30	92
R979GY007	75	53/22	30	105



Section with R979G panel

R979TG

NEW

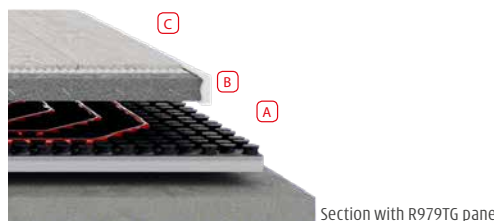


WHY CHHOSE IT?

- DOUBLE-DENSITY GRAPHITE-ENHANCED EPS-T INSULATION
- GRAPHITE-ENHANCED EPS-T FOR HIGH PERFORMING THERMAL INSULATION AND SOUNDPROOFING
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Preformed insulation panels R979TG represent the natural evolution of panel R979N, with the same geometrical features but increased insulating capacity thanks to a GRAPHITE-ENHANCED EPS-T insulation. The panels consist of a sheet of double-density GRAPHITE-ENHANCED (EPS-T) polystyrene foam for the two larger thicknesses that improves acoustic comfort, combined to a 0,6 mm thick protection layer in preformed polystyrene. Pipe laying times are reduced thanks to the special protrusion with preformed fins to hold the pipe in place and no clips required. Fit for circuits with multiples of 50 mm laying pitches and Ø16-17 mm pipes. In addition, R979TG pipes can be installed diagonally with a 70 mm pitch, an option in high demand for modern residential units.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979TGY003	30	11/19	30	60
R979TGY005	50	31/19	30	80
R979TGY006	63	40/19	30	93



Section with R979TG panel

R981G

NEW



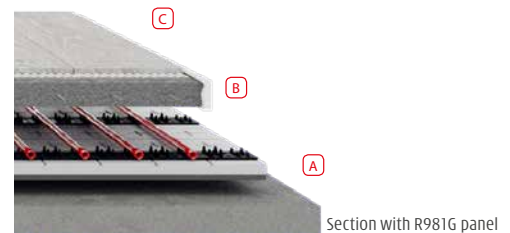
WHY CHHOSE IT?

- EPS INSULATION + ELASTICIZED EPS WITH GRAPHITE
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Smooth insulation panels R981G consist of a polystyrene foam sheet (EPS) and an elasticized EPS sheet for enhanced acoustic comfort, provided with a surface grid for easier pipe laying. Suitable for a wide range of applications in the residential or tertiary sector, they are most recommended for large surfaces (churches and temples, industrial warehouses etc.). Provided as smooth panels with male connections and fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863).

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R981GY003	30	30*	60+d.pipe
R981GY004	40	30*	70+d.pipe
R981GY005	50	30*	80+d.pipe
R981GY006	60	30*	90+d.pipe

* starting from the pipe end



Section with R981G panel

R981AG

NEW



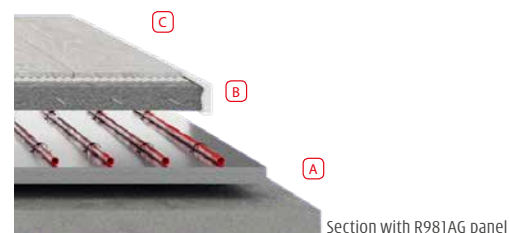
WHY CHHOSE IT?

- GRAPHITE-ENHANCED EPS INSULATION
- REFLECTING ALUMINIUM SHEET APPLIED
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- CERTIFIED AND GUARANTEED PRODUCTS

Insulation panels R981AG represent our top-range offer of smooth and preformed panels for exclusive applications. The panels consist of a GRAPHITE-ENHANCED (EPS) polystyrene foam sheet combined to a 0,25 mm thick aluminum layer with grid for easier pipe laying. The aluminum layer evenly and quickly distributes the heat on the entire panel surface. Suitable for a wide range of applications in the residential and tertiary sector. Provided as smooth panels with adhesive aluminum on one side for a quick and solid connection to the adjacent sheet, they are fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863).

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	ALLUMINIUM HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R981AGY003	25	0,25	30*	55+d.pipe
R981AGY004	40	0,25	30*	70+d.pipe

* starting from the pipe end



Section with R981AG panel



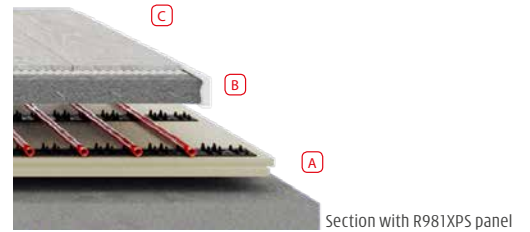
WHY CHOOSE IT?

- XPS INSULATION
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Smooth insulation panels R981XPS consist of an extruded polystyrene foam sheet (XPS). Suitable for a wide range of applications in the residential or tertiary sector, they are most indicated for large surfaces (churches and temples, industrial warehouses etc.) or when high resistance to compression is required. Available with XPS300 and XPS500 resistances. Provided as smooth shiplap-edged panels for quick and solid connection, they are fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863) after covering the panel surface with polyethylene sheet R984 as protection layer.

PANEL CODE	A PANEL TOTAL HEIGHT (MM)	B SCREED MINIMUM HEIGHT (MM)	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C (MM)
R981XY003	30	30*	60+d.pipe
R981XY004	40	30*	70+d.pipe
R981XY005	50	30*	80+d.pipe
R981XY006	60	30*	90+d.pipe
R981XY014	40	30*	70+d.pipe
R981XY015	50	30*	80+d.pipe
R981XY016	60	30*	90+d.pipe

* starting from the pipe end



Components for radiant floor systems

R979S

STANDARD VERSION

PRODUCT CODE	SIZE		
R979SY001	T50 - h22 self-adhesive	-	-
R979SY011	T50 - h22 with pins	7,20	-
R979SY021	T50 - h22 with high-density	8,64	-

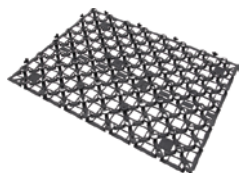


VIDEO
Point the QR-Code with your smartphone or tablet to view the video tutorial of SPIDER panels R979SY001, R979SY011 and R979SY021

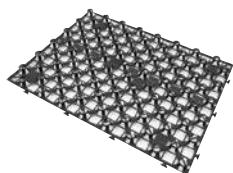
Preformed panel for radiant floor with thin screed, made of high resistance PPR. Laying pitch: multiples of 50 mm. Standard panels: for Ø16±18 mm pipes. Slim panels: for Ø12 mm pipes. Dimension standard panels: 800x600 mm. Dimension slim panels: 1200x600 mm. Ideal for renovations.

INFO

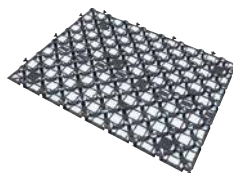
THERMAL RESISTANCE
R979SY021: 0,19 (m²K)/W
R979SY025: 0,19 (m²K)/W
For the fixing of R979SY001, R979SY005, R979SY021, R979SY025 panels, use the R983Y041 plastic plugs.



R979SY001



R979SY011



R979SY021

SLIM VERSION

PRODUCT CODE	SIZE		
R979SY005	T50 - h15 self-adhesive	15,84	-
R979SY025	T50 - h15 with high-density	10,08	-



VIDEO
Point the QR-Code with your smartphone or tablet to view the video tutorial of SPIDER SLIM panels R979SY005 and R979SY025

TECHNICAL DATA

- Pipe diameter that can be used:
Ø 16±18 mm for R979SY001, R979SY011, R979SY021
Ø 12 mm for R979SY005, R979SY025
- Pipe laying pitch: multiples of 50 mm
- Fluidity index: 8 g/10'
- Density at 23 °C: 1,1 g/cm³
- Thermal conductivity λ (for R979SY021 and R979SY025 only): 0,032 W/(m K)
- Flexure module: 1200 Mpa
- Izod shock resistance at 23 °C: 6 kJ/m²
- Vicat softening temperature: > 50 °C
- Dimensions: 800x600 mm for R979SY001, R979SY011, R979SY021
1200x600 mm for R979SY005, R979SY025

STORAGE CONDITIONS

- The panels must not be exposed to direct sunlight
- The panels must be stored in a dry, sheltered place at temperatures higher than 5 °C but lower than 50 °C
- The panels must not come into contact with chemical agents
- Keep the panels away from naked flames and heat sources



SPIDER R979S PANEL INSTALLATION



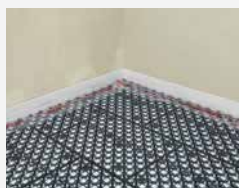
ADHESIVE VERSION. Remove the protective sheet and stick the panel to the underlying layer or existing floor, overlapping the side connections for proper installation.



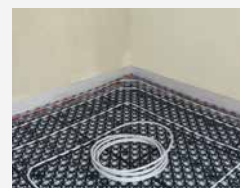
VERSION WITH PINS. Fit the panel to the previously installed plain insulation by inserting the pins and coupling the panels for proper connection.



VERSION WITH INSULATION. Place the panels on the underlying layer or existing floor, overlapping the side connections for proper installation.





PANEL INSTALLATION. Complete coating of the entire surface to be activated with radiant system.



PIPE INSTALLATION. Complete circuits complying with project min. bending radius, pitches and lengths.

R979TG

PRODUCT CODE	SIZE		
R979TGY003	h30	-	-
R979TGY005	h50	-	-
R979TGY006	h63	-	-





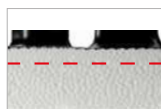
Preformed insulation panel for radiant floors with optional diagonal pipe laying. Consisting of expanded polystyrene foam with graphite (EPST, soundproof, graphited), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. EPS T (R979TGY003, R979TGY005 and R979TGY006). For Ø15÷17 mm pipes. Dimensions: 1400x800 mm.

INFO

THERMAL RESISTANCE
 R979TGY003: 0,49 (m²K)/W
 R979TGY005: 1,10 (m²K)/W
 R979TGY006: 1,40 (m²K)/W

R979N

PRODUCT CODE	SIZE		
R979NY003	T50 - h30*	11,20	-
R979NY005	T50 - h50*	6,72	-
R979NY006	T50 - h63*	5,60	-



Double density for the panels



Thermoformed protection layer



Piping diagonal installation





Preformed insulation panel for radiant floors with optional diagonal pipe laying. Consisting of expanded polystyrene foam (EPS), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Density: 30 kg/m³ (for R979NY003); 13-30 kg/m³ (for R979NY005/006). For Ø15÷18 mm pipes. Dimensions: 1400x800 mm.

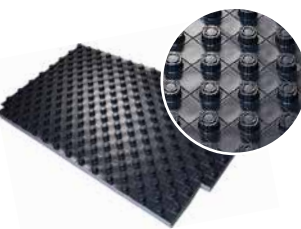
INFO

THERMAL RESISTANCE
 R979NY003: 0,45 (m²K)/W
 R979NY005: 0,90 (m²K)/W
 R979NY006: 1,25 (m²K)/W

*Last in production

R979G

PRODUCT CODE	SIZE		
R979GY003	T50 - h32	13,44	-
R979GY004	T50 - h42	8,96	-
R979GY005	T50 - h52	6,72	-
R979GY006	T50 - h62	11,20	-
R979GY007	T50 - h75	8,96	-





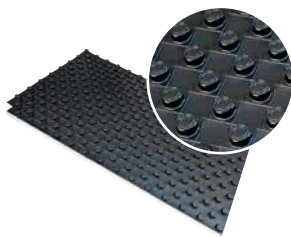
Preformed insulation panel for radiant floors. Consisting of graphite expanded polystyrene foam (EPS150 for R979GY004, R979GY005, R979GY006, R979GY007; EPS200 for R979GY003), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Thermal conductivity: 0,031 W/m K. For Ø16÷18 mm pipes. Dimensions: 1400x800 mm.

INFO

THERMAL RESISTANCE
 R979GY003: 0,78 (m²K)/W
 R979GY004: 1,10 (m²K)/W
 R979GY005: 1,42 (m²K)/W
 R979GY006: 1,74 (m²K)/W
 R979GY007: 2,16 (m²K)/W

R979

PRODUCT CODE	SIZE		
R979Y043	T50 - h32*	13,44	-
R979Y044	T50 - h42*	8,96	-
R979Y045	T50 - h52*	6,72	-
R979Y046	T50 - h62*	11,20	-
R979Y047	T50 - h75*	8,96	-



Preformed insulation panel for radiant floors. Consisting of expanded polystyrene foam (EPS), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Density: 25 kg/m³ (for R979Y044, R979Y045, R979Y046, R979Y047); 30 kg/m³ (for R979Y043). For Ø16÷18 mm pipes. Dimensions: 1400x800 mm.

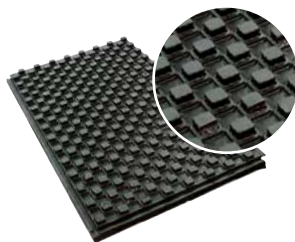
INFO

THERMAL RESISTANCE
 R979Y043: 0,73 (m²K)/W
 R979Y044: 1,00 (m²K)/W
 R979Y045: 1,30 (m²K)/W
 R979Y046: 1,59 (m²K)/W
 R979Y047: 2,00 (m²K)/W

*Last in production

R982Q

PRODUCT CODE	SIZE		
R982QY013	T50 - h37*	11,20	-
R982QY015	T50 - h50*	7,84	-



Preformed insulation panel for radiant floor, made of EPS. Laying pitch: multiples of 50 mm. For Ø15÷18 mm pipes. Dimension: 1400x800 mm.

INFO

THERMAL RESISTANCE
 R982QY013: 0,88 (m²K)/W
 R982QY015: 1,27 (m²K)/W

*Last in production

R981XPS

RESISTANCE TO COMPRESSION XPS300

PRODUCT CODE	SIZE		
R981XY003	T50-h30	10,50	-
R981XY004	T50-h40	7,50	-
R981XY005	T50-h50	6	-
R981XY006	T50-h60	5,25	-

RESISTANCE TO COMPRESSION XPS500

PRODUCT CODE	SIZE		
R981XY014	T50-h40	7,50	-
R981XY015	T50-h50	6	-
R981XY016	T50-h60	5,25	-





Preformed flat insulation panel for radiant floors systems. Consisting of extruded polystyrene foam (XPS300 or XPS500) with smooth surface and shi lap edges. Thermal conductivity: 0,034 W/m K. Dimensions: 1250x600 mm.

INFO

THERMAL RESISTANCE XPS300
 R981XY003: 0,85 (m²K)/W
 R981XY004: 1,15 (m²K)/W
 R981XY005: 1,45 (m²K)/W
 R981XY006: 1,75 (m²K)/W
 THERMAL RESISTANCE XPS500
 R981XY014: 1,15 (m²K)/W
 R981XY015: 1,45 (m²K)/W
 R981XY016: 1,75 (m²K)/W

Check supply terms and conditions with our Sales Managers.

R981G

PRODUCT CODE	SIZE		
R981GY003	h30	9,60	-
R981GY004	h40	7,68	-
R981GY005	h50	5,76	-
R981GY006	h60	4,80	-



Preformed flat insulation panel for radiant floors systems.

Consisting of double-density expanded polystyrene foam (EPS200+EPS120), self-extinguishing with graphite-additivated lower layer, paired with polyethylene film.

Preformed grid with laying pitch reference: 50x50 mm and 100x100 mm.



Thermal conductivity: 0,033 W/m K (EPS200); 0,031 W/m K (EPS120). Dimensions: 1200x800 mm.

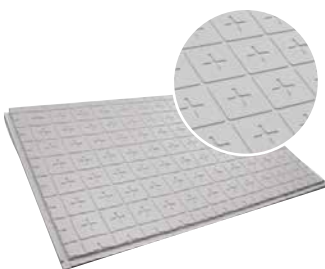
① INFO

THERMAL RESISTANCE
 R981GY003: 0,94 (m²K)/W
 R981GY004: 1,25 (m²K)/W
 R981GY005: 1,56 (m²K)/W
 R981GY006: 1,88 (m²K)/W

Check supply terms and conditions with our Sales Managers.

R981B

PRODUCT CODE	SIZE		
R981BY003	h30	9,60	-
R981BY004	h40	7,68	-
R981BY005	h50	5,76	-
R981BY006	h60	4,80	-



Preformed flat insulation panel for radiant floors.

Consisting of high-density expanded polystyrene foam (EPS), self-extinguishing and paired with shockproof thermoformed polyethylene protection working also as steam barrier.

Preformed grid with laying pitch reference: 50x50 mm and 100x100 mm.

Density: 30 kg/m³.

Dimensions: 1200x800 mm.

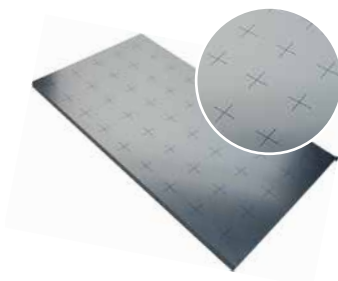
① INFO

THERMAL RESISTANCE
 R981BY003: 0,91 (m²K)/W
 R981BY004: 1,21 (m²K)/W
 R981BY005: 1,52 (m²K)/W
 R981BY006: 1,82 (m²K)/W

Check supply terms and conditions with our Sales Managers.

R981AG

PRODUCT CODE	SIZE		
R981AGY003	T50 - h25	12,50	-
R981AGY004	T50 - h40	7,50	-



Preformed flat insulation panel for radiant floors systems.

Consisting of high-density graphite expanded polystyrene foam (EPS200), self-extinguishing, paired with a 0,25 mm aluminum protection layer.

Preformed grid with laying pitch reference: 50x50 mm e 100x100 mm.

Thermal conductivity: 0,031 W/m K.

Dimensions: 1000x500 mm.

① INFO

THERMAL RESISTANCE
 R981AGY003: 0,81 (m²K)/W
 R981AGY004: 1,29 (m²K)/W

Check supply terms and conditions with our Sales Managers.

R983

PRODUCT CODE	SIZE		
R983Y001	Lenght 47 mm	100	1.000
R983Y003	Lenght 31 mm	100	1.000
R983Y500	Lenght 44 mm; for R863Y500 gun	300	-

Fixing clip for radiant floor systems pipes.

① INFO

R983Y500: pipe fixing clip for R863Y500 gun. Max. pipe \varnothing = 20 mm.



R983S

PRODUCT CODE	SIZE		
R983Y041	$\varnothing 6 \times 60$ mm	100	1.000

Plugs for pipes fixing.



R983N

PRODUCT CODE	SIZE		
R983Y040	$\varnothing 6 \times 25$ mm	100	1.000

Plugs for R979SY001 and R979SY021 panels.



R984

PRODUCT CODE	SIZE		
R984Y015	Mesh 50x50 mm	125	-

Steam barrier sheet for radiant panels.



K369

PRODUCT CODE	SIZE		
K369Y021	150 x 8 mm	50	100

Wall edging strip.



K393

PRODUCT CODE	SIZE		
K393Y001	50 x 50 mm	2	40

Metallic electro-welded net, zinc plated.



R863

PRODUCT CODE	SIZE		
R863Y500	For R983Y500	1	-

Fixing clip gun for R983Y500.



R872D

PRODUCT CODE	SIZE		
R872DY001	-	-	-

Track for the expansion joint placement.
Lenght: 2 m.



R549P

PRODUCT CODE	SIZE		
R549PY003	$\varnothing 16-18$	1	50
R549PY004	$\varnothing 20$	1	50
R549PY007	$\varnothing 25$	1	50

Bend support.



K369D

PRODUCT CODE	SIZE		
K369DY001	150 x 8 mm	50	100

Strip for expansion joint.



K389

PRODUCT CODE	SIZE		
K389Y013	$\varnothing 25$ - Pitch 100 mm	2	64

Pipe fixing track in 4 m. bars, for use with radiant floor systems.



K389W

PRODUCT CODE	SIZE		
K389WY001	$\varnothing 12-22$	1	100

Pipe fixing track for pipes with $\varnothing 12-22$ mm, in 1 meter bars.



R227-1

PRODUCT CODE	SIZE		
R227Y003	1/2" x 6 mm	25	250

Probe housing.



K376

PRODUCT CODE	SIZE		
K376Y001	10 l	1	-

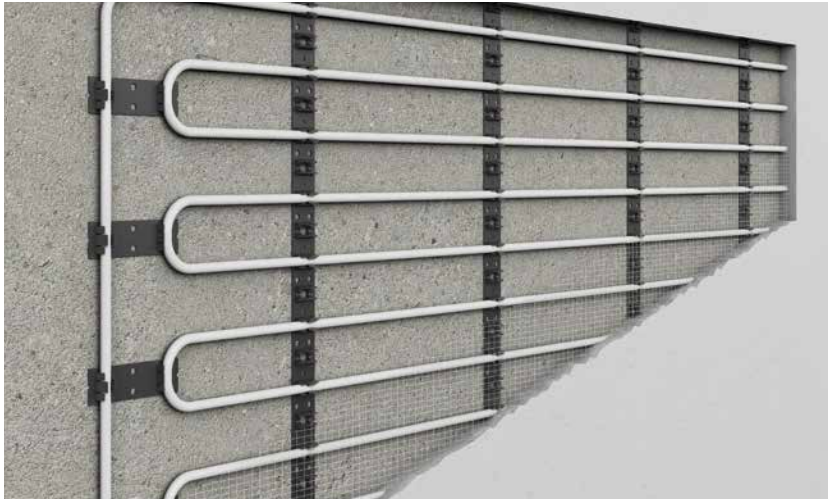
Fluidifying additive for screed.



① Protect the quality of your system and your work
page 174

➤ Radiant dry floor system

KLIMA WALL SYSTEM



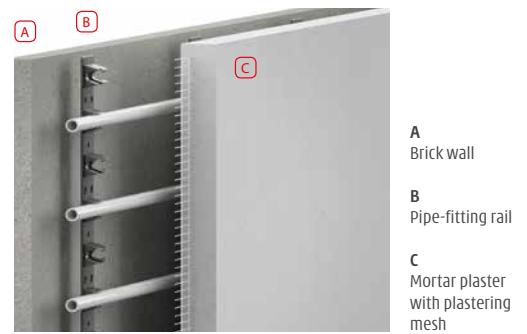
WHY CHOOSE IT?

- THE IDEAL SOLUTION WHEN NO OTHER RADIANT SYSTEM CAN BE INSTALLED
- EVEN HEAT DISTRIBUTION
- REDUCED THERMAL INERTIA
- EASY TO INSTALL
- USE OF PIPES WITH A 16-17 MM EXTERNAL DIAMETER

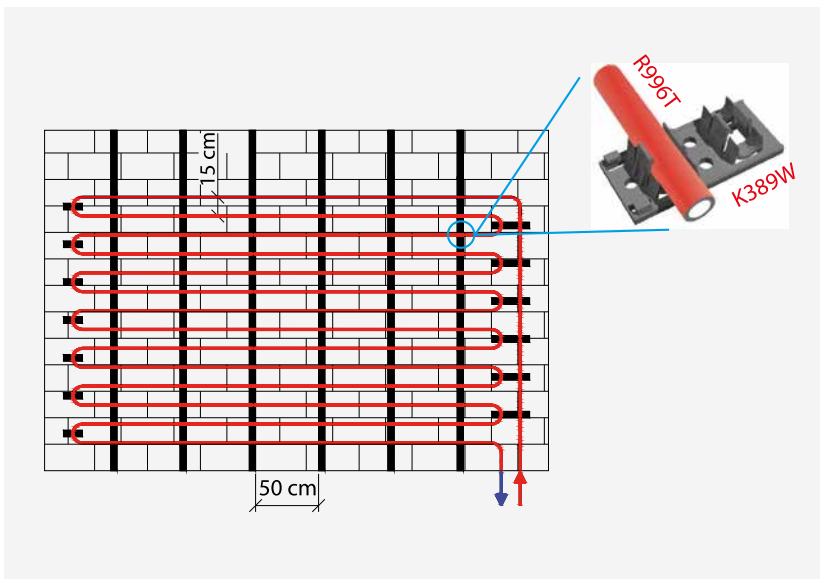
KLIMA WALL is the radiant wall system suitable when no other radiant system can be installed or, more frequently, when thermal integration is required. The radiant wall circuits can be derived directly from the distribution manifolds of the floor system

PIPE DIAMETER [MM]	PITCH [MM]
12 - 15	multiples of 100
16 - 18	multiples of 50
20	multiples of 100

RAIL + PIPE [MM]	MINIMUM PLASTER THICKNESS [MM]	MINIMUM THICKNESS IN ADDITION TO WALL [MM]
28	10	~ 40



EXAMPLE OF RADIANT WALL INSTALLATION



Overview of radiant ceiling systems

GK120 SYSTEM



METAL RADIANT PANELS

WHY CHOOSE IT?

- PARTICULARLY INDICATED FOR OPEN-SPACE AMBIENTS
- EASY INSTALLATION OF LIGHTING ELEMENTS IN THE STRUCTURE
- AVAILABILITY OF PRECUT PANELS AND SUPPORTS
- CROSS-PATTERN SUPPORT STRUCTURE
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK120 is a metal radiant ceiling system particularly indicated for heating and cooling of open-space ambients such as offices, lounges, commercial spaces, airports, school buildings. Characterized by its 1200x1200 mm modularity, GK120 provides for installation of a cross-pattern support structure which embeds each panel completely. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard.

GK60 SYSTEM



WHY CHOOSE IT?

- INDICATED FOR SMALL/MEDIUM OPEN-SPACE AMBIENTS
- AVAILABILITY OF PRE-CUT PANELS FOR INTEGRATION OF LIGHTING ELEMENTS
- STURDY BEARING STRUCTURE MADE BY SUPPORTS AND FINISHING HEADS
- PARALLEL-LAYING SUPPORT STRUCTURE
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK60 is an extremely flexible metal radiant ceiling. Suitable for heating and cooling of medium/small open-space ambients such as meeting rooms, offices, hospital rooms. It is characterized by a 600x1200 mm modularity and provides for the installation of parallel-laying support structures, completed by the installation of head elements. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard.

GK PSV SYSTEM



WHY CHOOSE IT?

- INDICATED FOR ANY KIND OF AMBIENT
- T24 CROSS-PATTERN SUPPORT STRUCTURE
- RAPID INSTALLATION
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK PSV is a metal radiant ceiling for heating and cooling of medium-sized commercial ambients. Characterized by a 600x1200 mm/600x600 mm modularity, this system requires the installation of an exposed cross-pattern support structure with 24 mm base T-shaped supports. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard or cut-to-size lose panels.

GKC SYSTEM



PLASTERBOARD RADIANT PANELS

WHY CHOOSE IT?

- INDICATED FOR RESIDENTIAL AND SIMILAR APPLICATIONS
- POSSIBILITY TO EASILY INTEGRATE ELEMENTS IN THE SUSPENDED CEILING
- DISTRIBUTION MANIFOLDS INSTALLED INSIDE INSPECTIONABLE TRAPDOORS
- MANIFOLD-FREE WALLS
- REDUCED PRESSURE LOSS SYSTEM

GKC is a radiant ceiling made by preassembled panels, featuring a plasterboard finish and using high quality and thermal performing materials. Designed with heating and cooling of residential buildings in mind, its field of application naturally extends to hotel rooms, commercial ambients and, more in general, residential buildings requiring a civil-type finish suspended ceiling. GKC panels are made by 10 mm-thick plasterboard sheets, an aluminium layer and an EPS insulation layer with 40 mm-thick graphite. The activation system includes a 16 mm copper coil embedded in the panel; the system design allowed to combine the heat technology requirements with lighting and architectural needs: the pipe inter-distance enables to easily install the lighting elements fitting them directly into the active panels.

GKCS V.2.0 SYSTEM



WHY CHOOSE IT?

- INDICATED FOR RESIDENTIAL OR SIMILAR APPLICATIONS
- POSSIBILITY TO EMBED DEVICES IN THE SUSPENDED CEILING
- WALLS NOT ENCUMBERED BY THE DISTRIBUTION MANIFOLDS
- INSPECTION DOORS FOR DIRECT ACCESS TO THE DISTRIBUTION MANIFOLDS

The GKCS v.2.0 radiant ceiling is made by preassembled plasterboard panels. Designed for heating and cooling of residential buildings but also suitable for applications in hotel rooms, commercial areas and, more in general, in buildings requiring a residential-finish suspended ceiling. GKCS v.2.0 panels are made of a 15 mm-thick plasterboard sheet and an EPS 30 mm-thick insulation layer. The activation system is situated between these two layers and includes one (or two, according to the panel dimensions) 8x1 mm PEX coil.

GKCD SYSTEM



WHY CHOOSE IT?

- WHY GKCD SYSTEM?
- REDUCED DIMENSIONS OF THE SYSTEM COMPONENTS
- NO CONNECTION FITTINGS REQUIRED
- USE OF PIPES WITH Ø16 MM EXTERNAL DIAMETER OR 1/2"

GKCD is a radiant ceiling system using 600x1200 mm EPS200 preformed panels coated with aluminium thermo-conductor sheets 0.3 mm thick where an external Ø16 mm or 1/2" plastic pipe is installed with a pipe pitch of 150 mm.

In addition to holding the pipe, the aluminium thermo-conductor coating evenly distributes the thermal energy along the entire surface of the ceiling. The versatility of the components enables to install them directly on the ceiling or suspended ceiling. The system is completed by applying a plasterboard sheet.

Metallic radiant suspended ceilings, series GK

K60

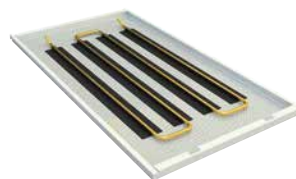
PRODUCT CODE	FINISH	COLOUR
K60X501	micro-perforated R2516	white RAL9010
K60LX501	plain	white RAL9010
K60X701	micro-perforated R2516	silver RAL9006
K60LX701	plain	silver RAL9006



Base panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Plain or perforated versions.

K60C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K60CX501	C75	micro-perforated R2516	white RAL9010
K60LX501	C75	plain	white RAL9010
K60CX701	C75	micro-perforated R2516	silver RAL9006
K60LX701	C75	plain	silver RAL9006



Radiant panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 4 aluminum diffusers 75x700 mm and loop of copper pipe 12 mm. Plain or perforated versions.

K60A

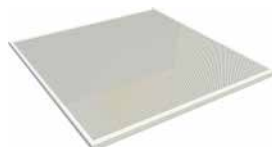
PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K60AX501	A220	micro-perforated R2516	white RAL9010
K60LX501	A220	plain	white RAL9010
K60AX701	A220	micro-perforated R2516	silver RAL9006
K60LX701	A220	plain	silver RAL9006



Radiant panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 2 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1,5 mm with oxygen barrier. Solid or perforated versions.

K120

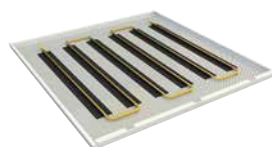
PRODUCT CODE	FINISH	COLOUR
K120X501	micro-perforated R2516	white RAL9010
K120LX501	plain	white RAL9010
K120X701	micro-perforated R2516	silver RAL9006
K120LX701	plain	silver RAL9006



Base panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for crossed structure installation. Plain or perforated versions.

K120C

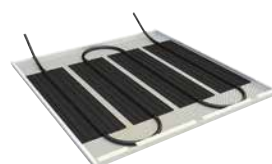
PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K120CX501	C75	micro-perforated R2516	white RAL9010
K120CX502	C75	plain	white RAL9010
K120CX701	C75	micro-perforated R2516	silver RAL9006
K120CX702	C75	plain	silver RAL9006



Radiant panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 6 aluminum diffusers 75x700 mm and loop of copper pipe 12 mm. Plain or perforated versions.

K120A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K120AX501	A220	micro-perforated R2516	white RAL9010
K120AX502	A220	plain	white RAL9010
K120AX701	A220	micro-perforated R2516	silver RAL9006
K120AX702	A220	plain	silver RAL9006



Radiant panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 4 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1,5 mm with oxygen barrier. Plain or perforated versions.

⦿ Metallic radiant suspended ceilings, series GK PSV

K12

PRODUCT CODE	FINISH	COLOUR
K12X300	micro-perforated R2516	white RAL9003
K12LX300	plain	white RAL9003
K12X200	micro-perforated R2516	silver RAL9006
K12LX200	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 1200x600 mm (Geeman version) and 2'x4' (American version).

K12C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K12CX300	C75	micro-perforated R2516	white RAL9003
K12LCX300	C75	plain	white RAL9003
K12CX200	C75	micro-perforated R2516	silver RAL9006
K12LCX200	C75	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (Geeman version) and 2'x2' (American version). Activation with 6 aluminum diffusers 75x350 mm and loop of copper pipe 12 mm.

K12A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K12AX300	A220	micro-perforated R2516	white RAL9003
K12LAX300	A220	plain	white RAL9003
K12AX200	A220	micro-perforated R2516	silver RAL9006
K12LAX200	A220	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x1200 mm (German version) and 2'x4' (American version). Activation with 2 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1.5 mm with oxygen barrier.

K6

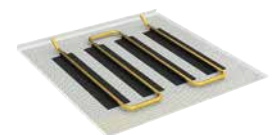
PRODUCT CODE	FINISH	COLOUR
K6X300	micro-perforated R2516	white RAL9003
K6LX300	plain	white RAL9003
K6X200	micro-perforated R2516	silver RAL9006
K6LX200	plain	silver RAL9006



Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (German version) and 2'x2' (American version).

K6C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K6CX300	C75	micro-perforated R2516	white RAL9003
K6LCX300	C75	plain	white RAL9003
K6CX200	C75	micro-perforated R2516	silver RAL9006
K6LCX200	C75	plain	silver RAL9006



Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (Geeman version) and 2'x2' (American version). Activation with 4 aluminum diffusers 75x350 mm and loop of copper pipe 12 mm.

K6A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
K6AX300	A220	micro-perforated R2516	white RAL9003
K6LAX300	A220	plain	white RAL9003
K6AX200	A220	micro-perforated R2516	silver RAL9006
K6LAX200	A220	plain	silver RAL9006

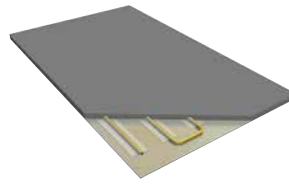


Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Solid or perforated versions. Also available in 600x600 mm (German version) and 2'x2' (American version). Activation with 2 aluminum diffusers 220x350 mm and loop of plastic pipe 16x1.5 mm with oxygen barrier.

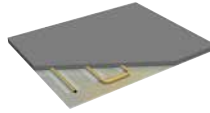
➤ Radiant plasterboard ceilings, series GKC

KC120

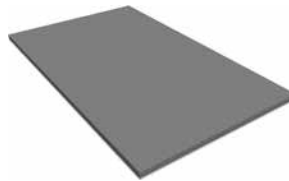
PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HEAT DIFFUSERS	WEIGHT [KG]
KC120Y200	2,4	1200 x 2000 x 50	n. 6 (100x1700 mm)	39,1
KC120Y100	1,2	1200 x 1000 x 50	n. 6 (100x700 mm)	18,6
KC120X300	2,4	1200 x 2000 x 50	none (inactive)	22



Active type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. Activated by thermal diffusers in aluminium and by a hydraulic circuit made with copper coil with 16 mm pipe. Opening in the insulating layer for the installation of an angled or straight fitting for the hydraulic connection.



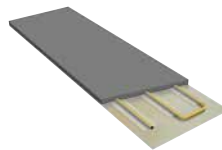
INACTIVE PANEL



Inactive type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. To complete the suspended-ceiling made with the active panels KC60 and KC120.

KC60

PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HEAT DIFFUSERS	WEIGHT [KG]
KC60Y200	1,2	600 x 2000 x 50	n. 3 (100x1700 mm)	19,5
KC60Y120	0,72	600 x 1200 x 50	n. 3 (100x900 mm)	14,5

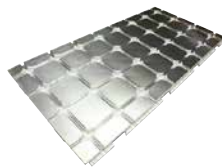


Active type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. Activated by thermal diffusers in aluminium and by a hydraulic circuit made with copper coil with 16 mm pipe. Opening in the insulating layer for the installation of an angled or straight fitting for the hydraulic connection.

➤ Radiant plasterboard ceilings, series GKCD

R883-1

PRODUCT CODE	SIZE		
R883Y101	T150 - h28	11,52	-



Insulating panel in expanded polystyrene. Joint combined with a thermoconductor profile constituted by an aluminum foil 0,3 mm thickness. It allows the passage of the pipes in both directions, and if necessary at 45° (by removing a perform part of the sheet). Panel dimension: 1200 x 600 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

R884

PRODUCT CODE	SIZE		
R884Y101	h28	5,76	-



Insulating header panels for the passage of the service pipe lines and the support of the circuit bending. Expanded polystyrene plates. Plate dimensions: 600 x 300 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

➤ Radiant plasterboard ceilings, series GKCS V.2.0

KS120

STANDARD PLASTERBOARD

PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
KS120Y200	2,4	1200 x 2000 x 45	n. 2	30
KS120X300	2,4	1200 x 2000 x 45	none (inactive)	30

WATERPROOF PLASTERBOARD

PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
KS120I200	2,4	1200 x 2000 x 45	n. 2	30
KS120I300	2,4	1200 x 2000 x 45	none (inactive)	30



Active type plasterboard panel.
Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). Activation including two 8 x 1 mm PEX pipe hydraulic circuits with anti-oxygen barrier.

INACTIVE PANEL



Inactive type plasterboard panel.
Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). To complete the suspended-ceiling made with the active panels KS60 and KS120.

KS60

STANDARD PLASTERBOARD

PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
KS60Y200	1,2	600 x 2000 x 45	n. 1	15
KS60Y120	0,72	600 x 1200 x 45	n. 1	9

WATERPROOF PLASTERBOARD

PRODUCT CODE	SURFACE [M ²]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
KS60I200	1,2	600 x 2000 x 45	n. 1	15
KS60I120	0,72	600 x 1200 x 45	n. 1	9



Active type plasterboard panel.
Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). Activation including two 8 x 1 mm PEX pipe hydraulic circuits with anti-oxygen barrier.

SERIES GKCD - APPLICATION EXAMPLES



Installation of metal structure with 300 mm pitch



R884 head panels cut to measure



Installation and fitting of head panels on the metal support structure with 35 mm screws



Installation and fitting of R883-1 panels and pipes along the preformed panel and head housings



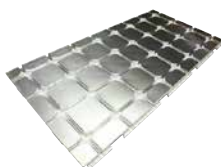
Installation of zone inspection trapdoors where the distribution manifolds are installed



Installation and fitting of plasterboard sheets on the support structure after pressure test performed according to the rules in force

R883-1

PRODUCT CODE	SIZE		
R883Y101	T150 - h28	11,52	-



Insulating panel in expanded polystyrene. Joint combined with a thermoconductor profile constituted by an aluminum foil 0,3 mm thickness. It allows the passage of the pipes in both directions, and if necessary at 45° (by removing a perform part of the sheet). Panel dimension: 1200 x 600 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

INFO
THERMAL RESISTANCE
R883Y101: 0,65 (m²K)/W

R884

PRODUCT CODE	SIZE		
R884Y101	h28	5,76	-

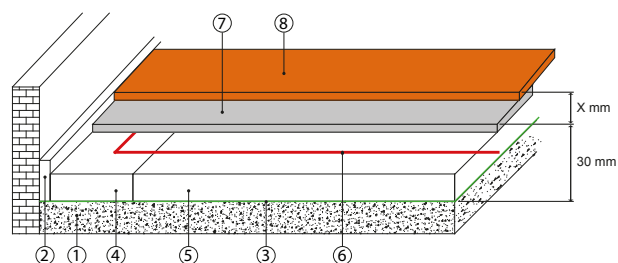


Insulating header panels for the passage of the service pipe lines and the support of the circuit bending.

Expanded polystyrene plates. Plate dimensions: 600 x 300 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

INFO
THERMAL RESISTANCE
R884Y101: 0,50 (m²K)/W

1	Support base layer (slab)
2	Wall insulation, series K369A
3	Protective layer in polyethylene impermeable to water vapour, series R984
4	Thermoformed, aluminised head panel, series R884, for holding the transfer pipes and the circuit bend support
5	Pre-shaped panel, series R883-1, coupled for interlock with an aluminium thermoconductor plate
6	Pipe in plastic material or multilayer, with a maximum external diameter of 17 mm
7	Double layer of galvanised steel plates, acting as a support layer, series K805P and K805P-1
8	Finish



K805P

PRODUCT CODE	SIZE		
K805PY003	600 x 300 x 1 mm	3,60	-
K805PY004	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet for load distribution in radiant dry systems.

K805P-1

PRODUCT CODE	SIZE		
K805PY023	600 x 300 x 1 mm	3,60	-
K805PY024	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet with adhesive side, for load distribution in radiant dry systems.

K809

PRODUCT CODE	SIZE		
K809Y001	50 x 26 mm	1	100



Fixing clips for dry radiant system.

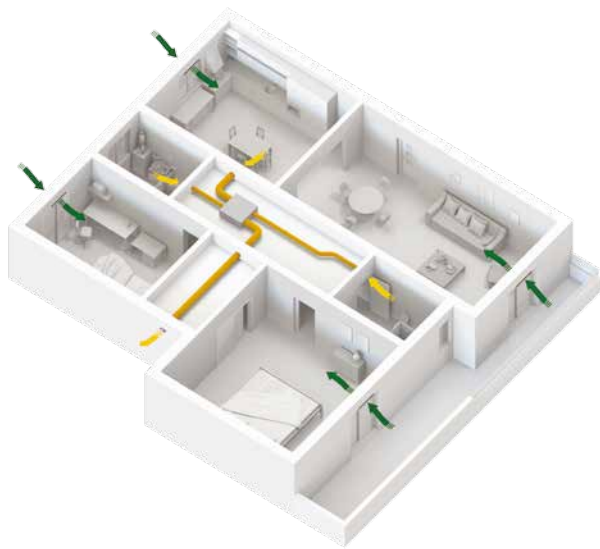
➤ Air treatment units



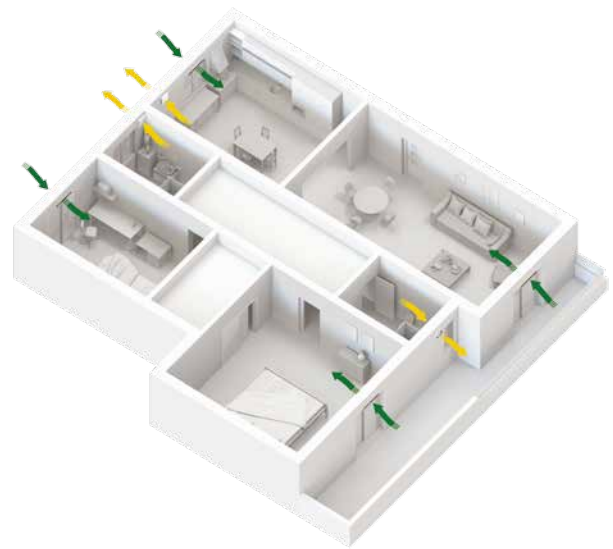
In an increasingly demanding housing market, a modern building that wants to be appealing has to focus on high energy consumption classes obtained thanks to the best possible insulation. This means air-conditioning in the summer, and often controlled mechanical ventilation as well, to ensure the perfect quality of the air in the rooms. In modern climate control systems (including residential ones), summer cooling has therefore become an indispensable need. The range of products includes flush-mounting units (for both walls and ceiling) for dehumidification alone, or with an integrated cooling function for areas with higher temperature levels.

EXAMPLE OF INSTALLATION

SIMPLE-FLOW SYSTEM WITH EXTRACTION DUCT-TYPE VENTILATION UNIT.



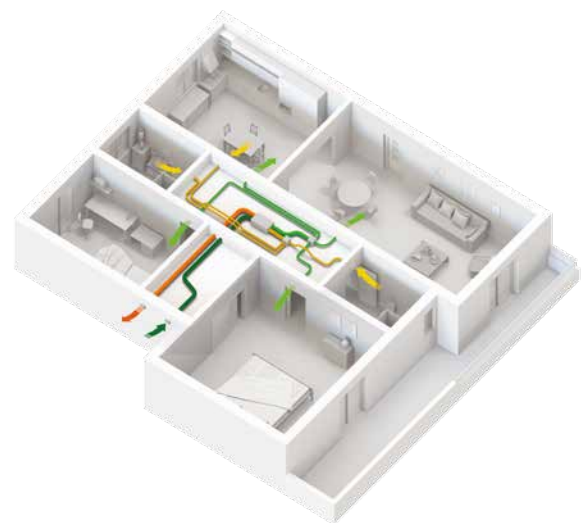
SIMPLE-FLOW SYSTEM WITH EXTRACTION FANS.



ALTERNATED SIMPLE-FLOW SYSTEM WITH STATIC HEAT RECOVERY.



DOUBLE-FLOW SYSTEM WITH CENTRALIZED EXTRACTION AND EXCHANGE UNIT.



VHR Systems

Ventilation systems with heat recovery in Giacomini installations is generally represented by a double-flow centralized VMC system: the ventilating unit, known as heat recuperator, provides air exchange in adjoining rooms by extracting exhausted air through special ducts while introducing fresh air with heat recovery. Air treatment also available (dehumidification with or without sensible integration).

As for simple-flow systems, this document only considers those consisting of alternated single-flow decentralized or pinch-point heat recuperators and extraction pinch-point fans (decentralized VMC).

Hygiene and Health

- Automatic and continuous air exchange
- Control of internal polluting agents
- Reduction of polluting agents from the outside (particulates)
- Absence of mold proliferation caused by air humidity
- Healthy indoor comfort, guaranteed 24/7
- Improvement of indoor climate for individuals affected by allergies or breathing problems

Safety and e comfort

- No air droughts and sudden changes of temperature
- Noise- and insect-free as air exchange is obtained with closed windows
- Limitation of domestic intrusions caused by open windows
- Evacuation of room smells
- Control of room humidity
- Noise-free operation also at night
- Ideal indoor comfort with radiant system
- Safety against condensation in radiant air conditioning systems
- Adaptability to seasonal climate conditions

Money-saving and environment

- Limited heat dispersions
- Heating and air conditioning system units with smaller dimensions thanks to energy recovery
- Limited activation of heating and cooling systems thanks to sensible and latent heat recovery of exhausted air
- Efficient use of energy and consequent reduction of polluting emissions into the atmosphere
- State-of-the-art refrigerating circuits and coolants to guarantee greater energy efficiency and environment protection
- Ventilation system repaying itself in time with energy saving
- Improvement of the building energy performance
- Increase and preservation of building market value
- Tax reliefs inc compliance with laws in force

KDP

UNIT

PRODUCT CODE	SIZE		
KDPHY024	Dehumidification	1	-
KDPRHY024	Dehumidification + integration	1	-

ACCESSORIES

PRODUCT CODE	SIZE		
KDPCY024	Outer casing	1	-
KDPFY024	Front panel	1	-

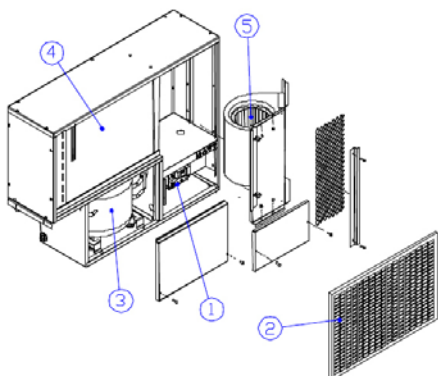


Monobloc unit for humidity control, flush-mounting installation in the wall and combined with radiant cooling systems. Temperature working range 15-30 °C. Power supply 230 V. Refrigerant gas R290.

INFO

KDPHY024
Dehumidification capacity 23 l/24h.
Air flow rate 200 m³/h

KDPRHY024
Dehumidification capacity 23 l/24h.
Air flow rate 200 m³/h in dehumidification mode and 300 m³/h in integration mode.



- (1) Electric command panel compartment,
(2) Suction air filter, (3) Refrigeration compressor,
(4) Finned coil, (5) Fan.



OUTER CASING



FRONT PANEL

KDS

UNIT

PRODUCT CODE	SIZE		
KDSHY026	Dehumidification	1	-
KDSRHY026	Dehumidification + integration	1	-
KDSRHY350	Dehumidification + integration	1	-

ACCESSORIES

PRODUCT CODE	SIZE		
KDSPLY026	Delivery plenum for KDS...26	1	-
KDSPLY350	Delivery plenum for KDSRHY350	1	-



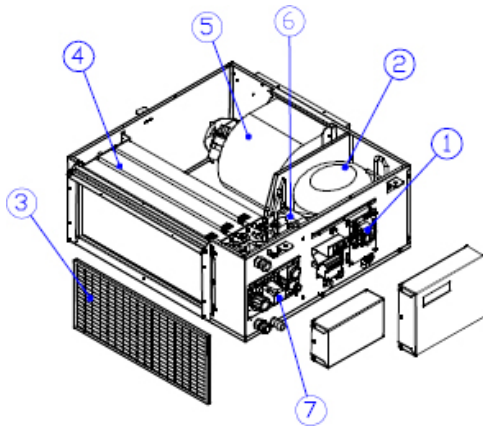
Monobloc unit for humidity control, flush-mounting installation in the ceiling and combined with radiant cooling systems. Temperature working range 15÷30 °C. Power supply 230 V. Refrigerant gas R290.

INFO

KDSHY026
Dehumidification capacity 24,7 l/24h.
Air flow rate 200 m³/h.

KDSRHY026
Dehumidification capacity 24,7 l/24h.
Air flow rate 200 m³/h in dehumidification mode and 300 m³/h in integration mode.

KDSRHY350
Air flow rate 350 m³/h.



(1) Electric command panel compartment, (2) Cooling compressor, (3) Suction air filter, (4) Finned coil, (5) Fan (6) Plate exchanger, (7) Valve compartment.



4-WAY DELIVERY PLENUM



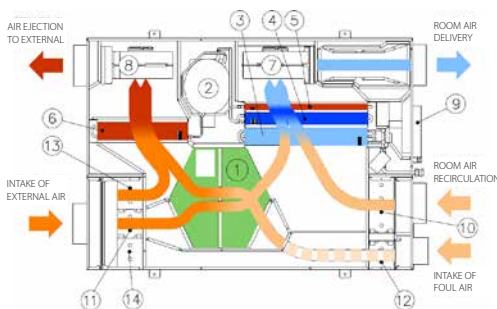
6-WAY DELIVERY PLENUM

KDV

PRODUCT CODE	SIZE		
KDVRWY300	Water condensation	1	-
KDVRAY360	Air condensation	1	-
KDVRAY500	Air condensation	1	-



Monobloc unit for ventilation, dehumidification and integration of sensible power, flush-mounting installation in the ceiling and combined with radiant cooling systems. Temperature working range 15÷30 °C. Power supply 230 V. Refrigerant gas R134a. Total flow rate 220÷360 m³/h. External air flow rate 90÷220 m³/h. Dehumidification capacity 25 l/24 h (referred to internal rooms).



(1) Air/air heat recuperator, (2) Refrigerating compressor, (3) Water-powered finned coil, (4) Refrigerating evaporator, (5) Freon/air condenser (6) Freon/water disposal condenser, (7) Room delivery fan, (8) Ejection fan, (9) Electric panel, (10) Room air recirculation damper, (11) Exchange air intake damper, (12) Foul air intake damper, (13) Auxiliary air intake damper, (14) Recuperator by-pass damper.