



WALL RADIANT SYSTEM

Leonardo



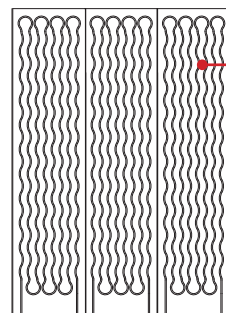
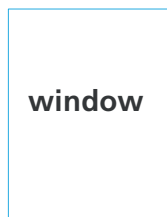
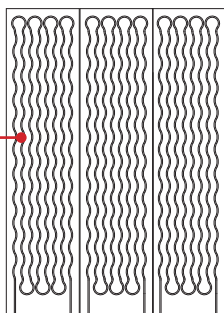
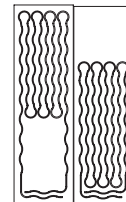
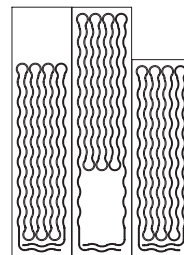
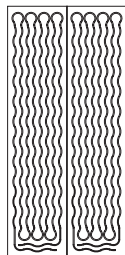
Wall radiant system Leonardo

MidiX Plus 10 x 1.3 mm pipe inserted into the plasterboard panel, O-ring free fittings for maximum leak tightness over time, possibility to choose the most suitable insulation for the project requirements.

The Leonardo system allows the realisation of a wall mounted radiant system for multiple applications. This system consists of modular plasterboard panels with MidiX Plus pipework already inserted and arranged in a serpentine pattern to maximise the exchange surface between the pipework and the plasterboard. The plasterboard is supplied without insulation.




One panel for each type of configuration




Choosing the best insulation grade

- EPS
- XPS
- Coated fibreglass

 note that hydraulic compensation is required when using panels of different sizes.

Delivery manifold

Return flow manifold

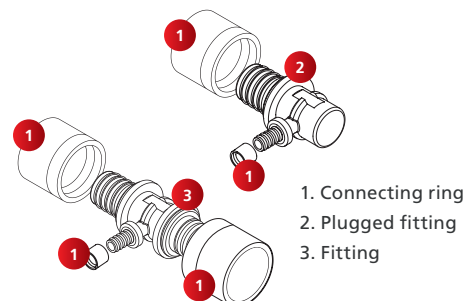

plugged fitting 20-10


fitting 20-10-20 + rings \varnothing 20 mm + ring \varnothing 10 mm


fitting 20-10-20

Fittings without O-rings

The use of special O-ring-free fittings for the 10 x 1.3 mm pipework allows for maximum tightness over time and reduced pressure losses.



Wall radiant system Leonardo

A wall-mounted radiant system ideal for easy installation in both new and refurbished buildings. The system provides for the pipe to be inserted into the plasterboard panel so that, during installation, the individual panels can be connected to the main pipe using special fittings. The wide range of 25 mm thick panels makes it possible to cover as large an area of the wall as possible, taking into account the geometry and any obstacles. In order to reduce the dispersion of the system through the wall (which may be internal or external), it is possible to choose the best combination of insulation materials and thicknesses from those provided (EPS, XPS or fibreglass) to be placed between the profiles of the metal plasterboard structure.

The radiant wall panel is complete with MidiX Plus 5-layer pipe in polyethylene PE-RT Type II/EVOH/PE-RT Type II (DIN 16833, EN 24033, ISO 22391, ISO 21003, EN 1264) with EVOH oxygen barrier in the pipe thickness and vapour permeability below 0.32 mg/(m²d) at 40 °C and 3.6 mg/(m²d) at 80 °C and therefore within the limits of DIN 4726 and EN1264-4, mechanical strength characteristics that make it class 4 and 5 at 6 bar (ISO 10508) for an expected life of 50 years; 10 x 1.3 mm pipes arranged in a serpentine pattern for greater yield and 65 mm centre-to-centre distance; screen-printed on the surface of the panel to indicate the position of the pipes; available in 6 sizes with variable loop lengths from 11.5 to 20 m. Smooth finish.

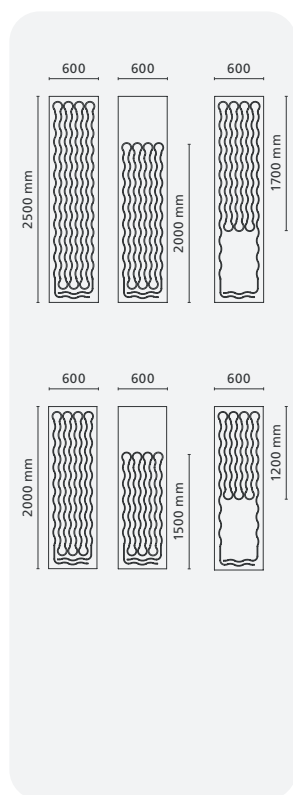


Insulation	plasterboard + insulation <i>(insulation of choice not included)</i>
λ_D	0.21 W/mK (plasterboard)
Thickness	25 mm
Pipe	10 x 1.3 mm
Pipe spacing	6.5 cm

System composition

1. Plasterboard panel complete with MidiX Plus polyethylene pipe.
2. Insulation board (not included).





art.	description and dimensions	total ring length [m]	surface [m ²]
6215010105	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2500 x 25 mm	20	1.5
6215010101	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2500 (2000) x 25 mm	16	1.5
6215010102	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2500 (1700) x 25 mm	15.5	1.5
6215010106	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2000 x 25 mm	16	1.2
6215010103	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2000 (1500) x 25 mm	12	1.2
6215010104	plasterboard wall panel complete with MidiX Plus 10 x 1.3 pipe 600 x 2000 (1200) x 25 mm	11.5	1.2

Distribution components

EPS insulation board



art.	thick [mm]	R _D [m ² K/W]	dimens. [mm]	description
1120030120	20	0.60	1000 x 1000	Expanded polystyrene insulation panel, declared thermal conductivity λ _D equal to 0.033 W/mK (EN 13163, EN 12667); compressive strength at 10% deflection: 200 kPa (EN 826); reaction to fire: Euroclass E (EN 13501-1)
1120030130	30	0.90	1000 x 1000	
1120030140	40	1.20	1000 x 1000	

XPS insulation board



art.	thick [mm]	R _D [m ² K/W]	dimens. [mm]	description
1130050120	20	0.60	1250 x 600	XPS extruded polystyrene insulation board, declared thermal conductivity λ _D equal to 0.033 W/mK (EN 13164, EN 12667); compressive strength at 10% deflection: 300 kPa (EN 826), 250 kPa with 20 mm thickness; reaction to fire: Euroclass E (EN 13501-1)
1130050130	30	0.90	1250 x 600	
1130050140	40	1.20	1250 x 600	

Coated fibreglass insulation board



art.	thick [mm]	R _D [m ² K/W]	dimens. [mm]	description
1332000110	100	2.75	1200 x 850	Fibreglass treated with thermosetting resins to be placed behind the plasterboard panel; must be covered with metallised polypropylene foil; must have thermal conductivity λ _D of 0.036 W/mK and thickness of 100 mm



Pipes

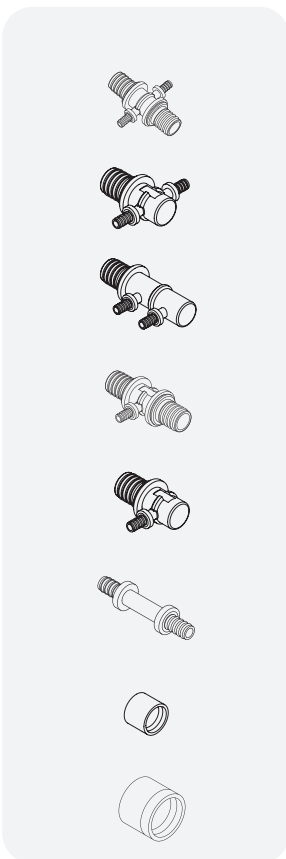
art.	description	diameter [mm]	length [m]
2112200220	red coated multilayer pipe	ø 20 x 2	50
2112200120	blue coated multilayer pipe	ø 20 x 2	50



MidiX Plus 5-layer pipe

art.	diameter [mm]	length [m]
2610109013	10 x 1.3 mm	per metre
2610200220	20 x 2	120
2610200420	20 x 2	480

Rings and fittings



art.	description	packages
6910022003	20-10-20-10	4 pcs
6910022103	10-20-10 capped version	4 pcs
6910022108	20-10-10 capped version	4 pcs
6910022007	20-10-20	4 pcs
6910022107	20-10 capped version	4 pcs
6910022013	10-10	4 pcs
6910022010	ring for fittings ø 10	8 pcs
6910022011	ring for fittings ø 20	8 pcs



Lifetime Warranty

Eurotherm radiant systems are *lifelong* guaranteed by ITAS Assicurazioni. Eurotherm extends the guarantee to the entire lifetime of the radiant system against unintentional damage caused to third parties resulting from manufacturing, assembly and/or design defects.

ITAS
ASSICURAZIONI

eurotherm
radiant comfort systems

CERTIFICATO DI GARANZIA EUROTHERM EUROTHERM WARRANTY CERTIFICATE EUROTHERM-GARANTIEZERTIFIKAT

Eurotherm, per garantire la sicurezza e la tranquillità dei propri Clienti si è dotata delle necessarie coperture assicurative al fine di tutelare l'interesse, affidandosi a ITAS Mutua. La garanzia prevede:

- Assicurazione della Responsabilità Civile del Produttore, **senza limite di tempo, su tutti i prodotti e per l'intera durata contrattuale assicurativa**, per difetti originari di produzione, assemblaggio e/o progettazione, istruzione, imballaggio, contro i danni involontariamente cagionati a Terzi.

I massimali assicurati sono i seguenti:

per sinistro **€ 10.000.000,00**

- Assicurazione della responsabilità Civile dell'Attività, contro Terzi e su tutti i lavori di manutenzione e installazione effettuati da personale specializzato Eurotherm.

I massimali assicurati sono i seguenti:

per sinistro, limite per persona e limite per danni a cose **€ 10.000.000,00**

Copertura valida per segnalazione sinistro entro 24 mesi da messa in pressione con prova tenuta impianto.

ITAS garantisce quindi contro i danni sopra descritti fino alla concorrenza dei massimali indicati nelle certificazioni assicurative allegate e nell'ambito delle rispettive condizioni contrattuali di assicurazione.

La garanzia vale in tutto il mondo escluso USA/CAN/MEX.

To guarantee our Clients' safety and peacefulness, Eurotherm has entered into the proper insurance covers with ITAS Mutua in order to protect our clients' interest. The warranty includes:

- A product liability insurance, **without any temporal limitation, on all products and throughout the entire duration of the contract**, for flaws due to imperfect production, assembly and/or planning, instruction and packaging against damages accidentally caused to Third parties.

The covered limit of liability are:

per accident **€ 10.000.000,00**

- A business liability insurance against Third parties and on all the maintenance and installation works fulfilled by Eurotherm expert staff.

The covered limit of liability are:

per accident, limit per person and limit per damage to goods **€ 10.000.000,00**

The coverage is valid whether the accident is alerted within 24 months from the pressurization with plant tightness test.

Hence, ITAS guarantees against the above-described damages within the limits laid down in the attached insurance certifications and within the consequent insurance's terms and conditions. The guarantee is valid worldwide excluding USA/CAN/MEX.

Um die Sicherheit und Zufriedenheit seiner Kunden zu garantieren, hat Eurotherm einen Versicherungsschutz für alle notwendigen Fälle mit ITAS Mutua abgeschlossen. Die Garantie umfasst wie folgt:

- Unbefristete Haftpflichtversicherung, für alle Produkte und für die gesamte Dauer des Versicherungsvertrages** für Fabrikationsfehler, Montage- und/oder Konstruktionsfehler, Fehler in der Anleitung oder Verpackungsfehler; Haftpflichtversicherung gegenüber Dritten.

Die Obergrenzen sind wie folgt:

€ 10.000.000,00 pro Schadensfall

- Haftpflichtversicherung gegenüber Dritte und für Wartungs- und Installationsarbeiten, die von Spezialisten von Eurotherm ausgeführt werden.

Obergrenzen sind wie folgt:

€ 10.000.000,00 pro Schadensfall, Höchstgrenze pro Person und für Sachschäden

Versicherungsdeckung gültig bei Schadenseröffnung innerhalb von 24 Monaten nach Druckprüfung der Anlage.

ITAS garantiert daher gegen die oben genannten Schäden innerhalb der in den beigefügten Versicherungsbedingungen angegebenen Höchstgrenzen und im Rahmen der jeweiligen vertraglichen Versicherungsbedingungen. Die Garantie gilt weltweit, ausgenommen USA/CAN/MEX.



REV.00 / 2025

More quality for the indoor **climate**.
More value for **well-being**.



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radiant comfort systems | 

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