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> Rointe Milos W150 Underfloor Heating Mat (MSIPVC010) Instruction Manual

ROINTE MSIPVC010

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Model: MSIPVC010 | Brand: ROINTE

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Rointe Milos W150 electric underfloor heating mat, model MSIPVC010. The Milos heating mat is designed for efficient and comfortable heating, particularly suitable for ceramic floor installations. It features a robust design and pre-installed self-adhesive strips for simplified installation.

Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

SAFETY INFORMATION

- Installation must be carried out by a qualified electrician in accordance with local and national electrical codes.
- Ensure the power supply is disconnected before any installation or maintenance work.
- Do not cut or shorten the heating cable. Only the mesh can be cut to shape the mat.
- Avoid damaging the heating cable during installation. Any damage must be repaired by a qualified professional.
- The system must be properly earthed.
- Do not install the heating mat under fixed objects such as bathtubs, showers, or kitchen units without legs, as this can lead to overheating.

SETUP AND INSTALLATION

The Rointe Milos heating mat is designed for straightforward installation, featuring pre-installed self-adhesive strips for secure placement on the subfloor. This system is ideal for installation under ceramic tiles.

Preparation

1. Ensure the subfloor is clean, dry, level, and free from debris.
2. Plan the layout of the heating mat to cover the desired area, avoiding areas where permanent fixtures will be placed.
3. Install a suitable thermal insulation board beneath the heating mat to minimize heat loss downwards and improve efficiency.
4. Ensure a dedicated electrical circuit with appropriate circuit protection (RCD/GFCI) is available for the heating system.

Mat Placement

Unroll the Milos heating mat onto the prepared subfloor. The self-adhesive strips on the back of the mesh will help secure it in place. The mesh can be cut to turn the mat and fit the room's shape, but **never cut the heating cable itself**.

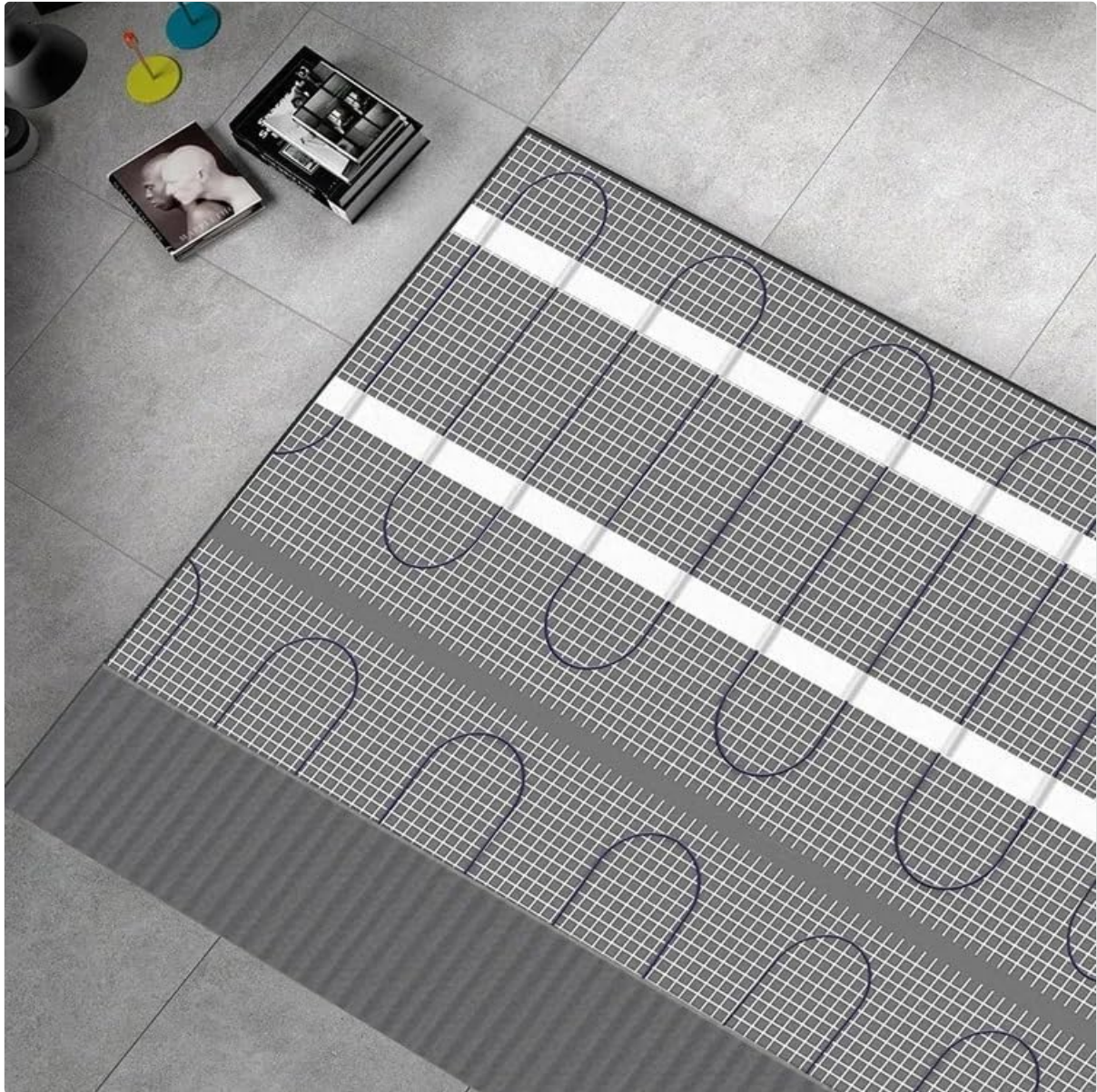


Image: Rointe Milos heating mat unrolled on a subfloor, showing the heating cables evenly spaced within the mesh.



Image: A Rointe Milos heating mat rolled up, ready for deployment.

Embedding the Mat

Once the mat is securely placed, it must be embedded in a layer of flexible tile adhesive or self-leveling compound. Ensure the entire heating cable is fully encapsulated without air pockets.



Image: A worker applying tile adhesive over the installed Rointe Milos heating mat, ensuring full coverage of the heating elements.

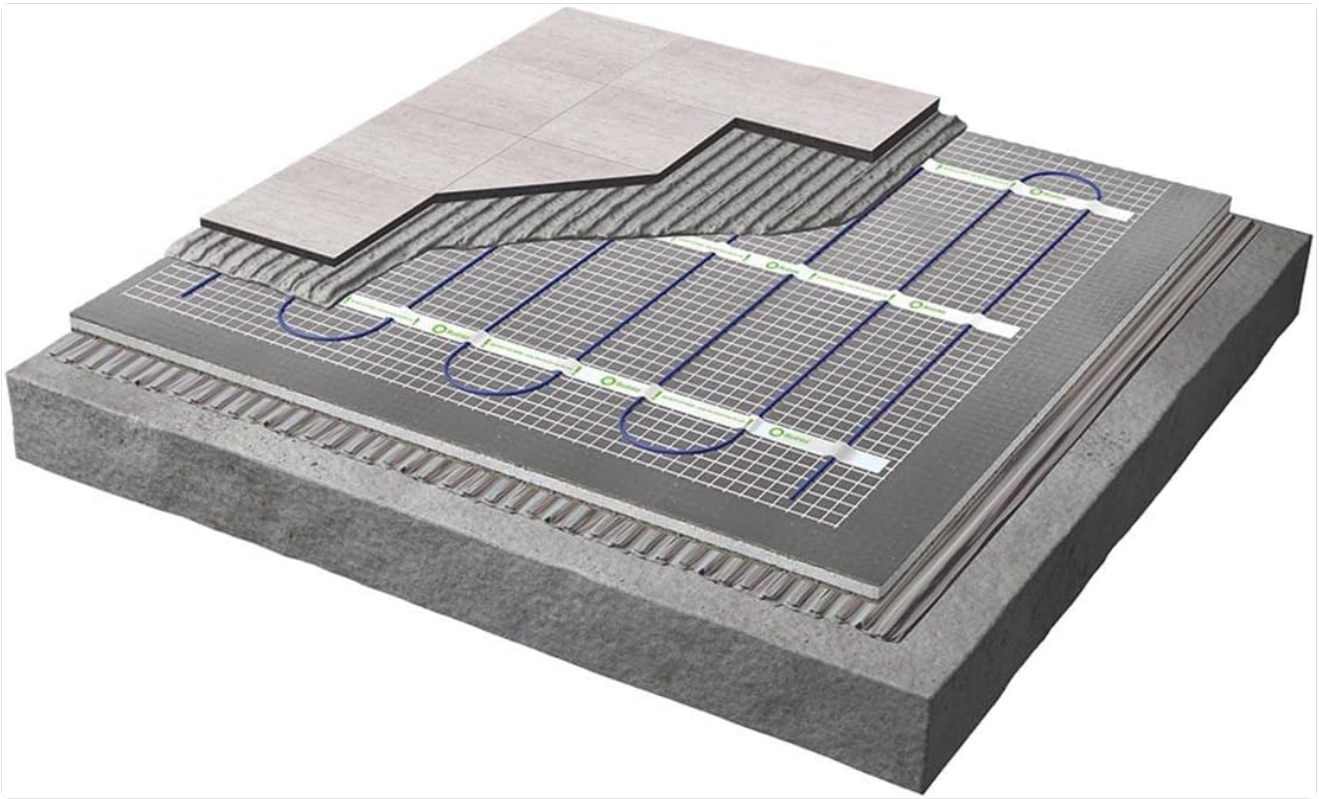


Image: A detailed cross-section illustrating the layers of a Rointe Milos underfloor heating installation, from the subfloor to the finished ceramic tiles.

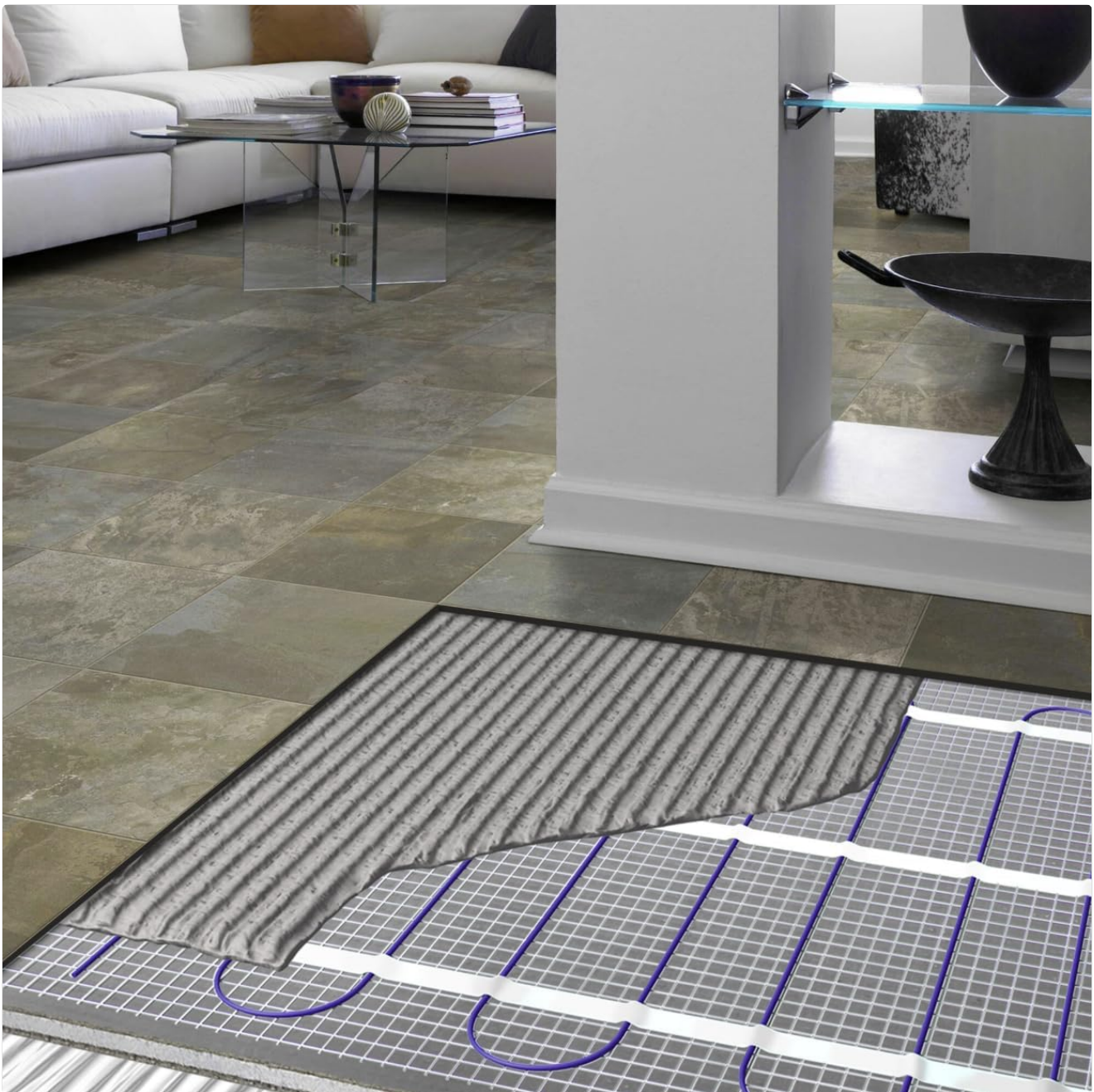


Image: A view of a finished room with ceramic tiles, showing a cutaway revealing the Rointe Milos underfloor heating system beneath.

Electrical Connection

The cold lead (power cable) of the heating mat must be connected to a suitable thermostat and then to the main electrical supply by a qualified electrician. Ensure all connections are secure and comply with electrical regulations.

OPERATING INSTRUCTIONS

The Rointe Milos underfloor heating system operates by converting electrical energy into heat, which is then dissipated into the room primarily through radiation and convection. Heat radiates vertically upwards from the warm floor surface, providing a comfortable and even temperature distribution.

Control of the heating system is managed via a compatible thermostat (sold separately). Refer to the thermostat's instruction manual for specific operating procedures, temperature settings, and programming options.

- **Initial Heating:** After installation, allow the tile adhesive or leveling compound to fully cure according to the manufacturer's instructions (typically 7-28 days) before switching on the heating system.
- **Temperature Control:** Use the thermostat to set your desired floor or air temperature.

- **Energy Efficiency:** For optimal energy efficiency, consider programming your thermostat to operate during off-peak hours or to maintain a comfortable temperature rather than constantly adjusting it.

MAINTENANCE

The Rointe Milos underfloor heating mat is a maintenance-free system once correctly installed. There are no moving parts or components that require regular servicing.

To ensure the longevity and continued performance of your system:

- Avoid placing heavy, insulating objects directly on the heated floor for extended periods, as this can impede heat dissipation and potentially cause localized overheating.
- Do not drill or nail into the floor where the heating mat is installed. Consult floor plans or use a cable locator if any floor penetration is necessary.

TROUBLESHOOTING

If your Rointe Milos underfloor heating system is not functioning as expected, consider the following basic checks before contacting support:

- **No Heat:**
 - Check the thermostat settings to ensure it is switched on and set to a temperature above the current room temperature.
 - Verify that the circuit breaker or RCD/GFCI for the heating circuit has not tripped.
 - Ensure the thermostat is receiving power.
- **Uneven Heating:**
 - This can sometimes be caused by air pockets during installation. If the issue persists, professional inspection may be required.

For any persistent issues or complex problems, it is strongly recommended to contact a qualified electrician or Rointe customer support. Do not attempt to repair the heating mat yourself.

SPECIFICATIONS

Feature	Specification
Model	MSIPVC010 Milos W150
Area Coverage	1.00 m ²
Power Output	150 W/m ²
Supply Voltage	220-240 V
Mesh Height (with cable)	5 mm
Heating Cable Diameter	3.5 mm
Cable Type	Twin-conductor
Power Cable (Cold Lead) Length	3000 mm

Feature	Specification
Inner Insulation	EFTE
Outer Insulation	PVC
Earth Protection	Yes
Cable Spacing	80 mm
Protection Degree	IPX7
Mesh Width	500 mm
Product Dimensions (L x W x H)	47.4 x 15 x 68 cm (Packaging/Roll dimensions)

WARRANTY INFORMATION

Rointe offers a **10-year warranty** on its underfloor heating systems, including the Milos W150 heating mat. This warranty covers manufacturing defects and ensures compliance with national and international heating product standards. Additionally, Rointe provides a **replacement guarantee**: if the heating mat is accidentally damaged during its installation, Rointe will replace the damaged mat free of charge (conditions apply, please refer to the full warranty terms provided with your product or on the Rointe website).

SUPPORT AND CONTACT

For technical assistance, warranty claims, or any questions regarding your Rointe Milos underfloor heating system, please contact Rointe customer support or your authorized dealer.

Please have your product model (MSIPVC010) and purchase details ready when contacting support.

Contact information for Rointe can typically be found on their official website or on the product packaging.