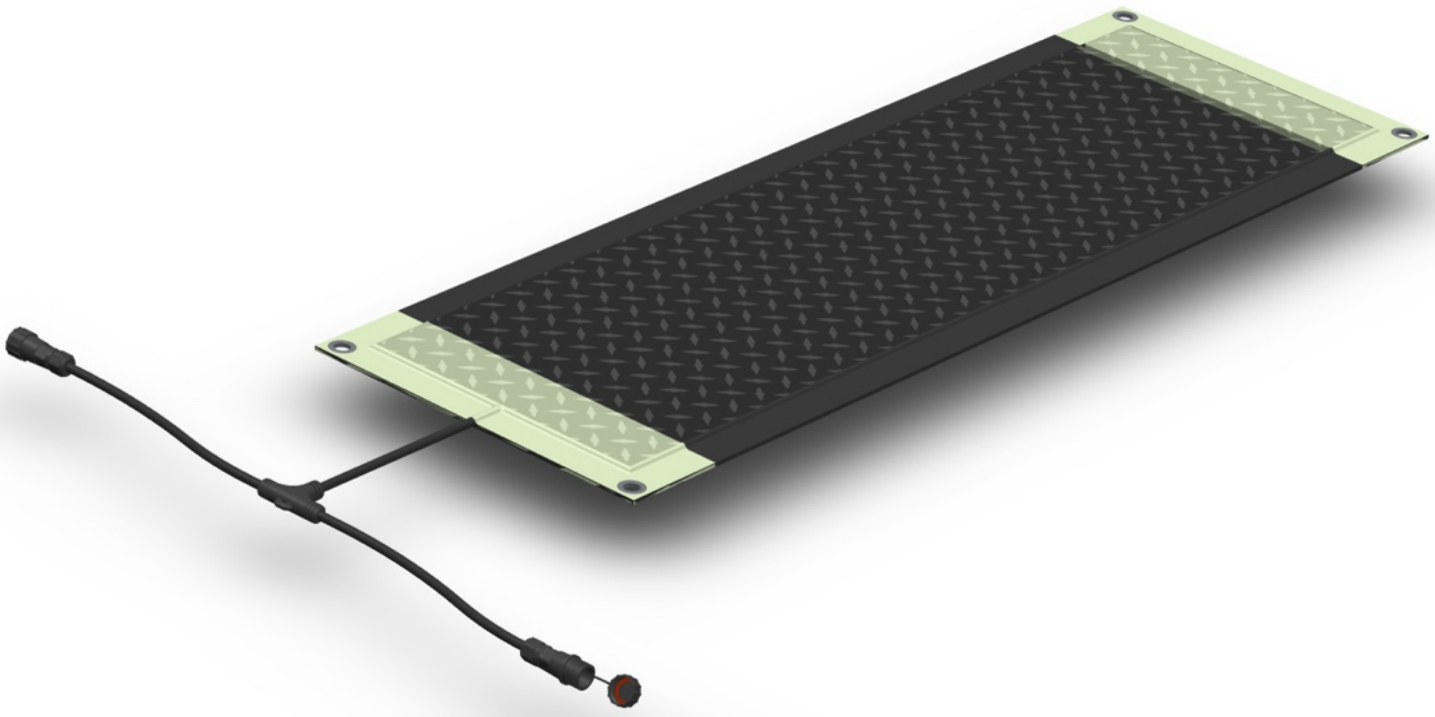
Roof Heating Systems

Heated Stair Tread

Owner's Manual & Installation Guide



SAFETY INSTRUCTIONS

Proper installation of this mat is vital, following the guidance provided by Roof Heating Systems. Adhere to these essential alerts to prevent the potential for fire or electric shock.

- Hire a certified electrician to install a grounded socket that is suitable for the required voltage and current, and is designed for outdoor use (protected against snow and rain).
- Wait until the mat is fully and properly set up before stepping on it.
- Before using the mat, inspect it thoroughly along with the connecting cord for any flaws or damage.
- Do not alter any part of the mat, including attempts to slice, cut, or trim it. This could cause water infiltration into the mat, leading to failure.
- Guide the supply cord properly and position it in a way that prevents a tripping hazard.
- Avoid plugging the mat into an outlet that is incorrectly wired or has an incompatible rating.
- Do not turn on mats when they are rolled-up or stacked on top of each other. SUCH ACTIONS COULD LEAD TO OVERHEATING AND MELTING OF THE MATS.
- Disconnect the mat from the power outlet whenever it is not in use or before relocating it.
- Inspect the mat for signs of damage or undue deterioration before use. If any are detected, disconnect and remove the mat from service immediately, and contact RHS customer support for assistance.
- Never pull, drag, or lift the heated mat by its power cord.
- Do not cover the mat while it is in use or place any objects on top of it.
- Keep packaging materials out of reach of children, as they can pose a suffocation risk.

OPERATIONS

- Use the RHS Heated Stair Tread only for its intended purpose.
- To avoid tripping the GFCI, do not exceed 14 stair treads (13.5 amps) when combining multiple treads in one system.
- Do not operate this product if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- If water enters the product, turn off the power at the main circuit, then unplug the product and call for service.
- Unplug the product when it is not in use for long periods.
- Unplug the RHS Heated Stair Tread if temperatures reach above 40 degrees Fahrenheit.
- Unplug the product before cleaning.

WHAT'S INCLUDED

Unpacking your RHS Heated Stair Treads

Before you begin installation of your heated stair treads, unpack the contents of the box and ensure that all included accessories from the list below are present. If you find any items are missing, contact the manufacturer or retailer immediately to request a replacement.

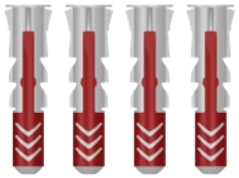
Included Parts and Accessories:



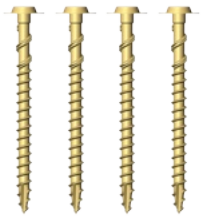
RHS Heated Stair Tread (x1)



Masonry Drill Bit (x1)



Universal Anchors (x4)



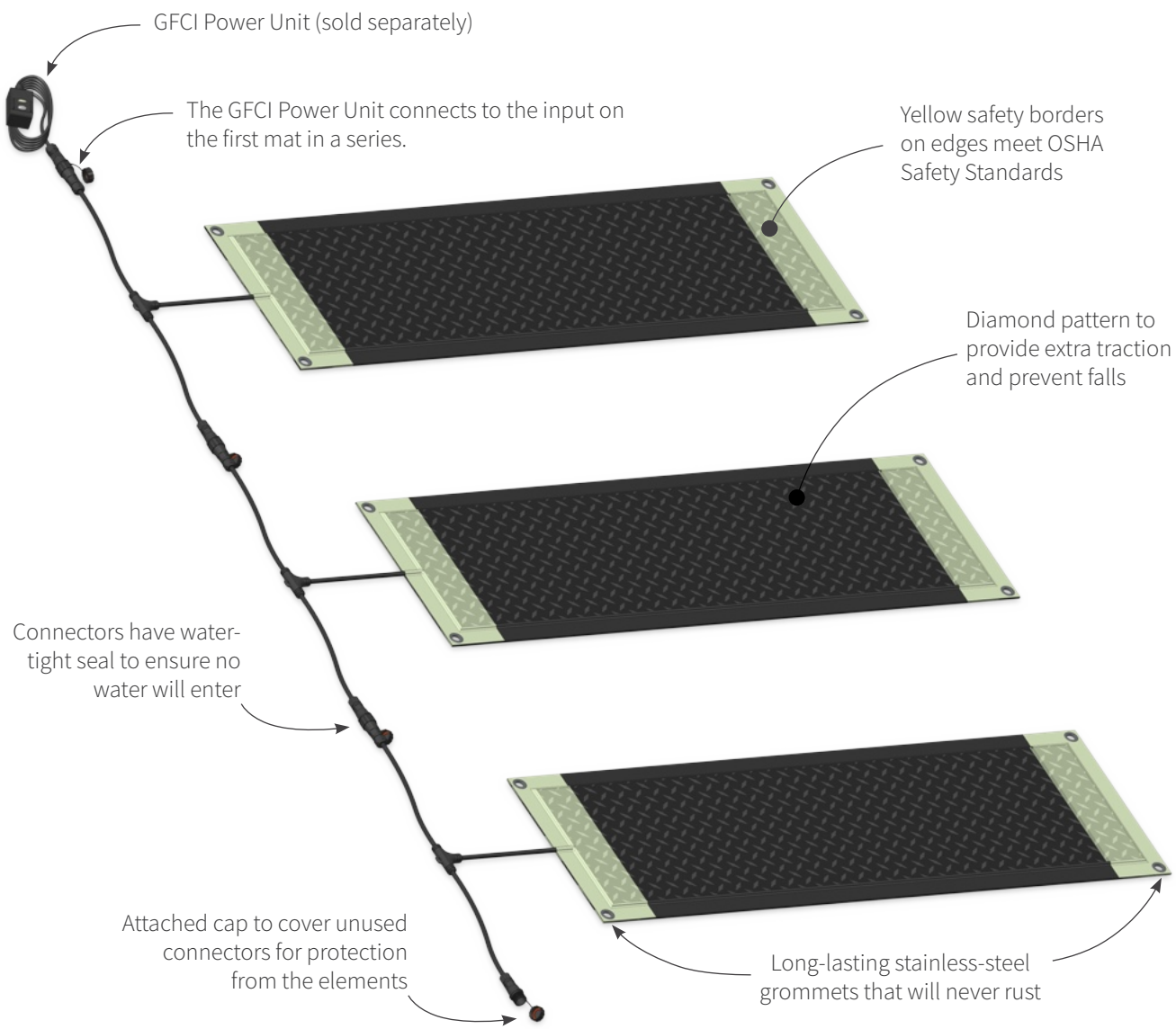
Decking Screws (x4)



Sold Separately:

RHS Heated Stair Treads require a GFCI Power Unit to bring electricity to the mats.

PARTS OF THE RHS HEATED STAIR TREAD



Product Specifications:

	Width	Length	Thickness	Weight
Dimensions	11 inches	34 inches	1/4 inch	3.20 lbs.

	Voltage	Wattage	Amperage
Electrical Specs.	120	112	0.9

NOTE: Up to 14 RHS Heated Stair Treads can be connected together. To avoid tripping the GFCI, do not exceed 14 stair treads (13.5 amps) when combining multiple treads in one system.

GENERAL INSTALLATION GUIDELINES

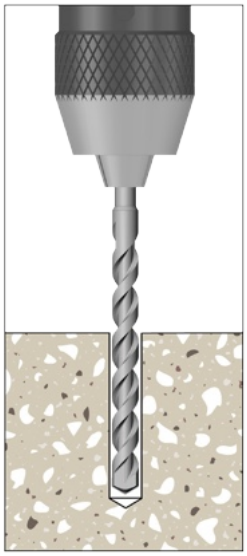
Prepare the Installation Site

- All of RHS heated mats are to be installed on surfaces that are free of debris, such as small rocks, gravel, or other objects that can damage the mats. Always clean the area prior to installation.

Installation on Concrete Surfaces

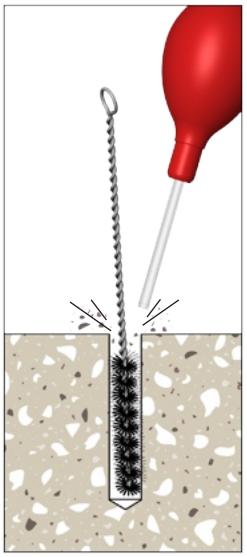
- Use the included anchors and 1/4” masonry drill bit to install the heated mat to a concrete surface.

DRILL



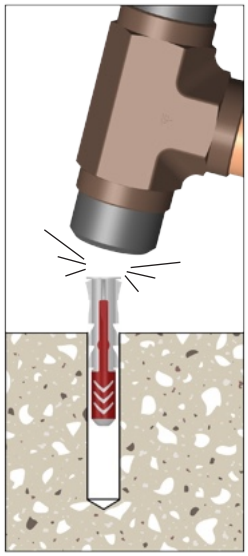
Drill a hole 1/4” deeper than the anchor length.

CLEAN



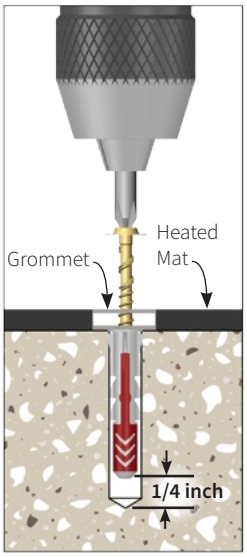
Remove concrete debris with a wire brush and air blower.

HAMMER



Drive anchor into hole until it is flush with concrete surface.

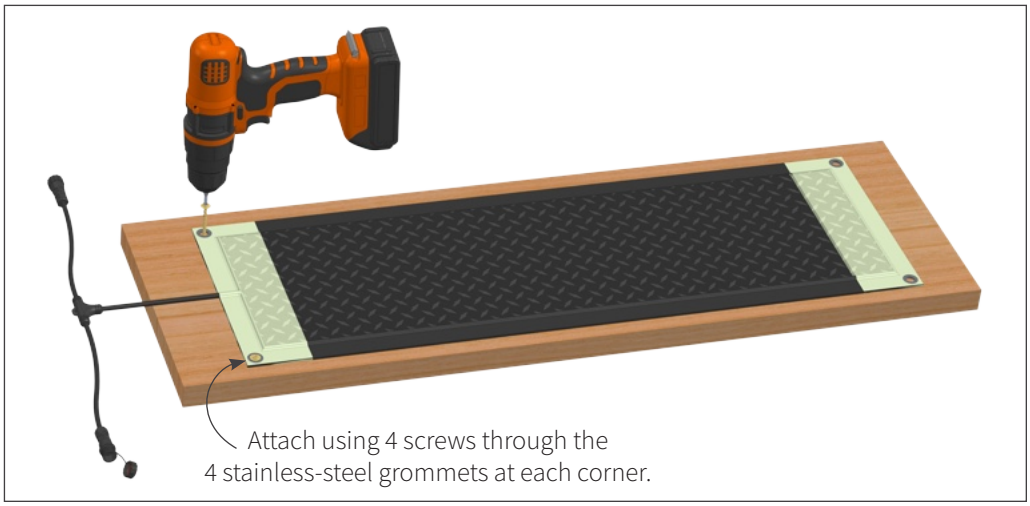
TIGHTEN



Use included screws to secure heated mat to embedded anchors.

Installation on Wood Surfaces

- Use the included decking screws to install the heated mat to a wood surface.



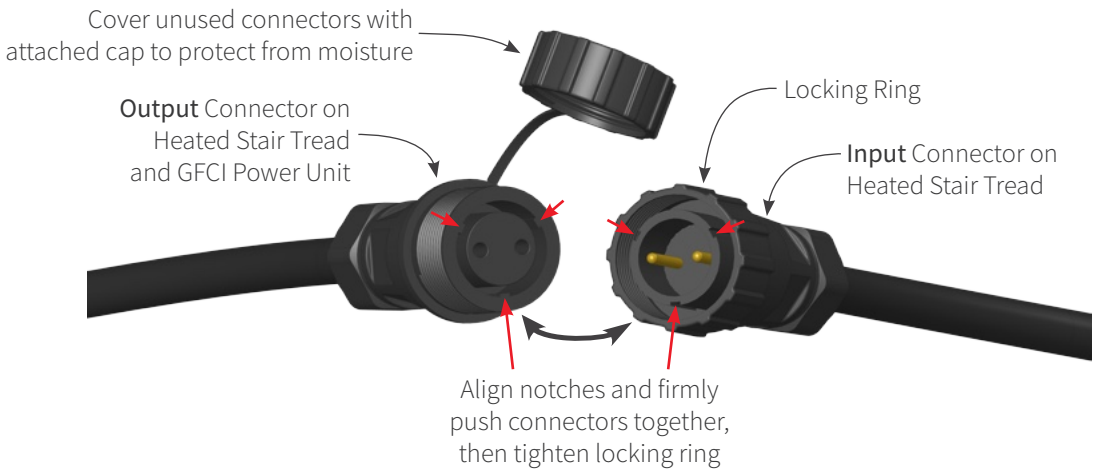


Connecting Multiple RHS Heated Stair Treads Together

CAUTION: Ensure that all RHS Heated Stair Treads are properly connected to each other and not stacked on top of each other, before connecting the power unit to the outlet.

NOTE: To avoid tripping the GFCI, do not exceed 14 stair treads (13.5 amps) when combining multiple treads in one system.

- To install multiple RHS Heated Stair Treads, lay the mats on consecutive steps, orienting them so that the cable connectors are on the side closest to the outlet.
- Connect multiple mats together by aligning the connectors and firmly pushing them together so they are flush with each other. Secure the connectors by tightening the locking ring on the input connector to the threads on the output connector.



Connecting the RHS Heated Stair Treads to Power

RHS Heated Stair Treads require a GFCI Power Unit to bring electricity to the mats (sold separately).

- Once all the RHS Heated Stair Treads have been connected, plug the GFCI Power Unit into the input connector on the first mat in the series. The GFCI Power Unit is attached to the mat using the same style connector that the mats use to connect to each other.
- Plug the GFCI Power Unit into a properly grounded outlet.



Testing the GFCI Power Unit

The GFCI Power Unit turns off the power if any of the electric current begins leaking to ground. It is important to test the GFCI Power Unit each time the mat is installed and before use. Here is all you need to do:

1. Locate the test and reset buttons on the GFCI Power Unit.
2. Plug the GFCI Power Unit into a grounded wall outlet.
3. Alternately press the RESET and TEST buttons.
4. Each time you press the RESET button, the power light should turn on. If the light does not come on, make sure there is voltage at the outlet.
5. Each time you press the TEST button, the power light should turn off.
6. Leave the GFCI Power Unit with the light turned on. If the Power Unit does not operate as described above, do not use the mat. Call customer service at (774) 678-4039.



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