

TempZone Custom Mats

Custom-Fit Heated Floor Mats for Any Room Shape

No two rooms are alike — and neither are our mats. TempZone Custom Mats are precision-engineered to hug every curve, corner, and fixture in your space, delivering consistent warmth exactly where you need it. Perfect for bathrooms, kitchens, and any room that defies the standard.

White-Glove Precision



**Backup Sensor
Included**

Our custom-sized electric heating mats ship ready to roll — arriving in one complete piece so installation is fast, clean, and hassle-free. No cuts. No trims. Just warmth, exactly where you want it. Installs under tile, stone, engineered wood, LVT & laminate.

IDEAL FOR

THE SOLUTION

Perfect Fit for Any Room — No Matter the Shape

Ideal For

Rooms with permanent fixtures, solid structural elements, or non-standard shapes present a challenge for standard radiant mats. TempZone Custom Mats are engineered to follow curves and angles, ensuring every corner of your floor is heated evenly and efficiently.

- **Bathrooms** with toilets, vanities, and curved walls
- **Kitchens** with islands, cabinets, and appliances
- **Any room** with a non-standard floor shape
- **Areas with** permanent fixtures or structural elements

The Solution

The TempZone Custom Mat uses a fluoropolymer insulated heating wire with stainless steel braided covering bonded between two layers of non-woven polymer membrane — delivering 12–15 watts per sq. ft. of consistent warmth, shaped precisely to your floor plan.

- **Custom-fit** to your exact room dimensions
- **Installs under** tile, stone, engineered wood, laminate, and LVT
- **ETL listed** for both the U.S. and Canada
- **25-year No Nonsense™** Warranty

Product Specifications

TempZone Custom Mat

Dimensions & Electrical

Heating Element	Fluoropolymer insulated wire, stainless steel braided covering, bonded between two layers of non-woven polymer membrane
Heating Element Insulation	Fluoropolymer
Heating Output	12 – 15 watts per Sq. Ft.
Heating Element Thickness	Variable, nominal 1/8"
Voltages	120 VAC, 208 VAC, 240 VAC
Max Mat Size	120 sq. ft. (6' x 20')
Min Mat Size	8 sq. ft. (120V) / 12 sq. ft. (208V) / 16 sq. ft. (240V)

Features



Custom-Fit Design

Engineered to follow curves and angles — perfectly shaped for non-standard rooms with permanent fixtures or irregular floor plans.



Versatile Floor Compatibility

Installs under tile, stone, engineered wood, laminate, and LVT — adapting to your preferred flooring choice.



ETL Listed — U.S. & Canada

Certified for residential use in both the U.S. and Canada, ensuring compliance with the highest safety standards.



25-Year No Nonsense™ Warranty


Backed by WarmlyYours's industry-leading 25-year warranty, giving you long-term peace of mind on your investment.


EXAMPLE PRICING

Example Project Pricing

The table below shows representative costs for small, medium, and large heated floor projects using TempZone Custom Mats. Hourly operating costs are based on national averages of 17¢/kWh (USA) (EIA 2025).

	Small Room	Medium Room	Large Room
Heated Area	19.5 Sq. Ft.	56 Sq. Ft.	142 Sq. Ft.
Product Cost (USD)	\$450.00	\$950.00	\$2,500.00
Hourly Cost (USD)*	4¢/hr	13¢/hr	33¢/hr


 Final cost varies based on the unique size and shape of your space — every custom mat is priced to fit.

 Based on national average of 17¢ per kWh (USA, EIA 2025). Actual costs may vary by region and usage pattern.

Cold Lead & Mat Size Information

Use the details below to configure your Custom Mat order. Cold leads can be positioned anywhere on the mat's perimeter, offering maximum flexibility for your installation layout.

Voltage	Min Size	Max Size	Cold Lead AWG	Max Cold Lead
120 VAC	8 sq. ft.	120 sq. ft.	14 AWG	25'
208 VAC	12 sq. ft.	120 sq. ft.	14 AWG	25'
240 VAC	16 sq. ft.	120 sq. ft.	14 AWG	25'

 Cold lead lengths are custom sized at 10', 15', or in 1' increments over 15' (25' maximum). Cold lead construction: 2 core wires (14 AWG stranded copper conductor, stainless braid) screened with uninsulated ground. Conductors are black and white for all voltages with stickers that indicate the voltage.

Electrical Notes



No Polarity

TempZone Custom Mats have no polarity, simplifying wiring and installation flexibility.



GFCI Protection

WarmlyYours controls are equipped with ground fault circuit interrupter (G.F.C.I.) protection for safe operation.



Multiple Mat Wiring

Multiple Custom Mats can be wired to one control (max 15 amps total). Multiple mats must always be wired in parallel — never in series.



Floor Sensor Required

TempZone Custom Mats should be installed with a floor sensor. All WarmlyYours thermostats include a floor sensor.



Testing Protocol

Testing is only done with a digital ohm meter. Do not connect to power before the mat is fully embedded in thinset or SLC.

4 Simple Steps to Install

Secure Mat to the Subfloor with Thinset

Apply a layer of thinset to the subfloor area. Carefully roll out the mat onto the mortar bed. Use a rubber grout float to press the mat into the thinset to ensure complete contact.

Apply Thinset or SLC (3/8" thick minimum)

For tile: apply a 1/4" layer of modified thinset over the mat using an appropriately sized trowel. For laminate or engineered wood: cover with 3/8" of self-leveling compound. Ensure the surface is smooth and level.

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Secure the Included Floor Sensor

Position and secure the included floor sensor to the mat as directed. All WarmlyYours nSpiration Series thermostats come with a floor sensor included.

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Install Flooring

Once the thinset or SLC has cured, install your chosen flooring — tile, stone, engineered wood, laminate, or LVT — as per the manufacturer's instructions.


Installation Guidelines

Embedding & Coverage

- Heating element should be installed within 1" to 1.5" from the top of the flooring surface.
- Entire heating section and splices must be embedded in thinset or SLC to prevent overheating and premature failure.
- Do not install under permanent fixtures or within 4" of the toilet wax ring.

Wiring & Handling

- Do not shorten the warming mat. Do NOT cut the heating wire — only the non-heating cold leads can be shortened.
- Do not run a power lead or sensor wire across a warming cable.
- Do not fold or overlap the warming system mesh — this could lead to dangerous overheating.

 Do not connect the warming mat to the power supply for testing before it is fully embedded. Testing must only be done with a digital ohm meter. Never connect to live power until the mat is completely set in thinset or self-leveling compound.

- Multiple Custom Mats are never wired to each other in series — parallel wiring is required.
- Non-heating leads from each Custom Mat must hook up to the controller and be wired in parallel.
- Do not install under permanent fixtures.
- TempZone Custom Mats should always be installed with a floor sensor.

ORDER INFORMATION

How to Order — It's Easy!

Draw a floor plan sketch of your project and we'll do the rest! WarmlyYours' skilled engineers will create a free SmartPlan™ custom installation plan based on your drawing.



Step 1: Draw Your Floor Plan

Draw a floor plan sketch of your project room, including all dimensions, permanent fixtures, and structural elements.



Step 2: Send to WarmlyYours

Email your sketch to **sales@warmlyyours.com**. Our engineers will create your free SmartPlan™ — typically within 1 business day.



Step 3: Verify & Order

Review your SmartPlan™, verify the correct dimensions, and place your order with your WarmlyYours account manager. Please allow 8–10 business days after purchase for this customized item to ship.

- ☑ Your free SmartPlan custom installation plan is typically delivered in as little as 1 business day — no obligation to purchase.

[Request a quote](#)

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