HeatStep™ Mat Quick Reference Price

Sq. Ft.	Volts	Amps	Part Number	Description	Size	MSRP	MSRP per Sq. Ft.
30	120V	3	K640115	HeatStep™ 120V 2' x 15' Mat Kit	2' x 15'	$360	$12.00
40	120V	4	K640120	HeatStep™ 120V 2' x 20' Mat Kit	2' x 20'	$471	$11.78
50	120V	5	K640125	HeatStep™ 120V 2' x 25' Mat Kit	2' x 25'	$574	$11.48
60	120V	6	K640130	HeatStep™ 120V 2' x 30' Mat Kit	2' x 30'	$665	$11.08
70	120V	7	K640135	HeatStep™ 120V 2' x 35' Mat Kit	2' x 35'	$780	$11.14

HeatStep™ Wire Quick Reference Price

Sq. Ft. (2.5"oc)	Volts	Amps	Part Number	Description	Size	MSRP	MSRP per Sq. Ft.
80	240V	4	K640280	HeatStep™ 240V Wire 376LF	376'	$443	$5.54
100	240V	5	K640210	HeatStep™ 240V Wire 470LF	470'	$524	$5.24
120	240V	6	K640212	HeatStep™ 240V Wire 564LF	564'	$702	$5.85
140	240V	7	K640214	HeatStep™ 240V Wire 658LF	658'	$815	$5.82
160	240V	8	K640216	HeatStep™ 240V Wire 752LF	752'	$865	$5.41

HeatStep™ Controls Quick Reference Pricing

Max Sq. Ft. @ 120V	Max Sq. Ft. @ 240V	Part Number	Description	MSRP
150	300	K640301	HeatStep™ Programmable Thermostat	$132
150	300	K640302	HeatStep™ Dial Thermostat	$105
150	300	K640303	HeatStep™ Relay	$99

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QUICK REFERENCE
GUIDE
For Hardwood Installations

HeatStep™
Floor Warming Products

Select your substrate

Plywood	Concrete
• A 2nd layer of plywood OR cement board must be added to the subfloor. • A polymer modified Portland cement, such as Bostik's SL-150™ or Webcrete® 95, must be used to encapsulate heating wires. Use a primer if indicated, such as Bostik's Universal Primer™. • Installing insulation in the floor joists below HeatStep™ will greatly improve efficiency. • Plywood must be clean and free of nails, staples or other projections.	• Either RH (Relative Humidity) or MVER (Moisture Vapor Emission Rate) testing must be performed. - If moisture levels are above flooring manufacturer warranty requirements, use a Bostik moisture vapor barrier such as D-250™ or D-261™. • An anti-fracture and insulation membrane may be installed to improve efficiency • Concrete must be open and absorptive, clean, and free of debris and projections.

Select your flooring

- Only engineered hardwood flooring may be installed because it is more dimensionally stable than most solids.
- Bamboo flooring is not recommended for use with HeatStep™.
- The flooring must be approved by the manufacturer for radiant heat as well as glue down.
- Hardwood flooring thicker than ½" may have high insulation values resulting in poor heating performance.
- HeatStep™ can also be used under LVT, vinyl, laminate, tile, stone, and carpet.

Choosing between HeatStep™ Mat & HeatStep™ Wire

- HeatStep™ Mat is faster and easier to install, uses 120V supply, and works well for rectangular spaces up to 150sf.
- HeatStep™ Wire costs less per square foot, uses 240V supply, and is easier to fit non-rectangular or large spaces.

Plan for your installation

- Determine the total heated area. Do not place under base cabinets, furniture without legs, or where rubber-backed rugs will be used. Stay 6" away from toilet rings, 4" away from walls, but 1" from toe kicks.
- Determine where the power supply, thermostats, and any relays will be located. It is recommended that dedicated 15-20 amp circuits be used, 120V for HeatStep™ Mats or 240V to HeatStep™ Wires. Thermostats can be used to control both HeatStep™ Mats at 120V up to 150sf or HeatStep™ Wire at 240V up to 300sf. For larger areas, relays can be added to a thermostat, but requires a separate 15-20 amp power supply. Up to 10 relays can be controlled with a single thermostat. See the HeatStep™ instruction manuals for more details.

Preparing to install your HeatStep™ system

- Place the junction box in the wall for the thermostats and/or relays, and run all electrical, but do not hookup. Hookup must be performed by a qualified electrician in accordance with all local codes.
- Drill or chisel two holes in the base plate of the wall under the thermostat junction box for the power lead and sensor.
- For HeatStep™ Mats, lay out all mats without securing to the subfloor. The white mesh can be cut allowing the mat to change direction, but NEVER cut the red wire.
- Mark on the floor where the black splice between the red heating wire and the power lead will be located.
- Cut a shallow channel in the subfloor where the black splice will be located. The entire splice must be embedded in a cement layer along with the entire heating wire.
- Perform a continuity test on all HeatStep™ Mats and HeatStep™ Wires and connect the fault monitoring device.

Installing your HeatStep™ system

HeatStep™ Mat	HeatStep™ Wire
• Use double-stick tape included to attach the mat to the subfloor. The white mesh may be cut and the end of the mat turned to fit the space, but NEVER cut the red wire. Wires cannot cross, and must be at least 2" apart. • Install floor heat sensor.	• Use double-stick tape included to attach the cable straps to the subfloor. • Run the wires between the cable straps. Wires cannot cross, and must be at least 2" apart. Spacing can be varied to accommodate the space. • Install floor heat sensor.

Completing the installation

- Mix and apply the Portland cement patch (such as Bostik's Webcrete® 95) or self-leveling underlayment (such as Bostik's SL-150™), generally ¼" to 3/8" thick. All of the red wire and the black splice must be fully embedded in the cement without crowning. Be careful not to cut or knick the wires with tools.
- Allow the cement layer to fully cure at least 7 days for Bostik's SL- 150™, 14 days for Bostik's Webcrete® 95, or 4 weeks for most other Portland cements.
- While the cement layer is curing, have a certified electrician perform final hookups.
- After cure, turn on the HeatStep™ system and run at 90 degrees for at least 72 hours to drive moisture out.
- Turn off the HeatStep™ system and install the flooring with a Bostik adhesive, such as Bostik's Best, BST, TKO, EFA+ or another Bostik adhesive per flooring manufacturer and adhesive manufacturer specifications.
- After the adhesive and any finishes are fully cured, turn on the HeatStep™ system on a low temperature (usually 68°F, unless the floor temperature is significantly lower). Gradually increase the temperature 1-2°F per day until the desired temperature is achieved. This process prevents shocking the wood and will minimize the occurrence or severity of cupping, crowning, cracks, buckling, or other undesirable effects.
- At the start of each heating season, the same process of gradually increasing the temperature should be followed.
- Please refer to installation instructions for further details.