

Product Guide: IN-FLOOR HEATING

	NUHEAT (MATS)	WARM TILES BY EASY HEAT (CABLES)
Suitable Substrate	<ul style="list-style-type: none"> Plywood Concrete Wire mesh and cement base Cement board 	<ul style="list-style-type: none"> Plywood or board (unless using wire mesh and cement) Concrete Wire mesh and cement base Limitations: Not for use directly on cement
Sizes	<ul style="list-style-type: none"> Vary in size If more than one mat is required in a room a custom mat is recommended. Custom mats require a detailed sketch provided by the customer which allows Ceramic Decor to obtain a quote and design from the manufacturer For areas requiring over 100 sq. ft. of coverage in a single mat Ceramic Decor recommends using tile cables instead of Nuheat mats 	<ul style="list-style-type: none"> 120V and 240V kits available Kits available in various sq. ft. coverages Greater than 70 sq. ft. heated area recommended for 240V Kits It is especially beneficial to use cables in irregular shaped areas
Installation Method	<ul style="list-style-type: none"> Increases overall thickness of finished floor approximately 1/4" Mat is adhered to substraight using 1/4x1/4" v-notched trowel and MAPEI Ultra Flex II Feather off excess thin-set at the perimeter and allow it to dry for 18 to 24 hours after mat is applied Thermostat probe is installed in mat and leads are left at the edge of the floor for hook-up Connecting the mat leads should be done by a licensed electrician Tile can then be installed using appropriate thin-set mix for the tile's requirements 	<ul style="list-style-type: none"> Over Plywood: Wire mesh is fastened to the sub-floor then cable is installed (by a licensed electrician) with 3" spacing Sand mix is then poured over the cables, levelled, smoothed and left to cure for 24 hours before the tile can be installed Over Concrete: MAPEI Primer L or Primer K is used to prime exposed concrete Cables are installed (by a licensed electrician) directly on concrete using tap cons to fasten the tracks with approximately 2" spacing Sand mix is then poured over the cables, levelled, smoothed and left to cure for 24 hours before tile can be installed
Energy Efficiency	<ul style="list-style-type: none"> Programmable thermostat recommended 30 sq. ft. of mat uses less electricity than 3 100w light bulbs 	<ul style="list-style-type: none"> Programmable thermostat recommended Average daily operating cost is 1 cent per sq. ft. of heated area
Manufacturer's Websites	www.nuheat.com	www.warmtiles.com

All Installations of these products should involve a licensed electrician to ensure all manufacturer's recommendations and warranties are observed.