

FLOOR HEATING SYSTEMS



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CAN ARTO TILES BE USED WITH FLOOR HEATING SYSTEMS?

Yes. ARTO concrete and ceramic tiles and INDOCHINE cement encaustic can be used with properly installed floor heating systems. The manufacturer's instructions should be followed carefully to ensure a long lasting and trouble free installation.

WHAT KIND OF FLOOR HEATING SYSTEMS ARE THERE?

The most popular systems are electric radiant heat mats where wire mesh or individual wires are installed between the substrate and the tiles.

Hydronic radiant heat and radiant air floors are less common. Hydronic radiant heat uses hot water running through tubes under the floor like a radiator, Radiant air floors are similar except that air rather than water is used to heat the floor.

WHAT ARE THE ADVANTAGES OF FLOOR HEATING SYSTEMS?

Floor heating systems make tiles comfortable under feet, especially in cool areas like bathrooms. By heating the floor directly, they are more efficient than HVAC systems, radiators, and space heaters while also reducing overall heating costs.

WHAT ARE POTENTIAL PROBLEMS WITH FLOOR HEATING SYSTEMS?

Properly installed floor heating systems do not generate enough heat to crack or otherwise damage ARTO tiles. Floor heating systems could interfere with curing of grout and mortar if turned on before these products have fully cured but this is easy to prevent.

Electric radiant heat mats can be very hard to access if a problem occurs. Hydronic radiant heat systems can leak water and damage the substrate. Radiant air floors can leak air which is inefficient and can be quite noisy.

WHO MAKES FLOOR HEATING SYSTEMS?

The Tile Council of North America has a [list of manufacturers](#) online that we have included below. Please note this list is provided for informative purposes and does constitute an endorsement or recommendation of any system listed.

[Easy Heat, Inc.](#)

(860) 653-1609

www.emersonindustrial.com

[LATICRETE International, Inc.](#)

(800) 243-4788

www.laticrete.com

[Nuheat](#)

(800) 778-9276

www.nuheat.com

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Schluter-Systems	(800) 472-4588	www.schluter.com
TEC	(800) 832-9002	www.tecspecialty.com
Watts Radiant	(800) 276-2419	www.wattsradiant.com