

## Radiant heated Floors

As alternatives to forced-air heating systems, radiant heated floors systems supply heat directly to a floor. Infrared heat then radiates into the room and is distributed by the process of convection. The heat for these systems may be supplied to the floor through coils warmed by electricity, hot water (hydronic), or heated air.

Radiant heating systems may be installed within a concrete slab, sandwiched between an existing subfloor and another cementitious layer, between layers of plywood, recessed in underlayment plywood, or placed directly in contact with the subfloor or finished flooring.

Carpet and carpet cushions installed over a radiant heated floor will decrease the efficiency of the system due to their insulating value (measured as the R Value). For this reason, lightweight and thin carpet is usually selected when installing over a radiant heated substrate.

XL Brands adhesives may be used over radiant heated substrates with the following guidelines. The radiant heat source should be turned off 24 hours prior to, during and after the flooring installation to maintain normal adhesive open time and drying rate. If this is not done, expect that the adhesive open time and working time may be diminished. Thereafter, the surface temperature of the radiant heated floor as a substrate for adhered carpet and other resilient flooring should be restricted to a maximum of 85° F. (29° C).



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