

Floor Warming System Provides Sound Control and Thermal Break

Like everyone else, condominium owners want warm floors and quiet spaces. Unfortunately, the concrete construction of these multi-story buildings makes controlling impact sound through floor-ceiling assemblies challenging, particularly with hard surface coverings like tiles. Sound control materials tend to be compressible and not all provide adequate support for the tile covering. **DITRA-HEAT-DUO** reduces sound transmission, in addition to warming the floor and still supporting the covering to ensure a lasting installation.



All components combine in a single layer only 5/16" thick.



The heating cables snap easily into place.



ASTM E2179 testing shows **DITRA-HEAT-DUO** produces an increase in impact insulation class (ΔIIC) of 20 to a concrete slab floor. The dual benefits of reducing impact sound transmission and providing faster warm-up times make this membrane an ideal solution for ceramic and stone tile floor installations in multi-story residential construction.

Schluter-DITRA-HEAT-DUO is the first electric floor warming system with an integrated thermal break and sound control to overcome these multiple challenges. The relatively thin thermal break on the underside of the membrane allows the system to warm tiled floors up to 70% faster over concrete substrates by directing heat to the tile, not to the subfloor. The all-in-one system means faster and simpler installation as the membrane, heating cables, thermal break and sound control material are all combined in a single layer that is only 5/16"-thick. To achieve this assembly would normally require the installation of multiple layers.

The heating cables are easily snapped into place on top of the uncoupling mat with no clips or fasteners. Because they are held securely within the **DITRA-HEAT-DUO** mat, there is no need to use self-leveling compounds to encapsulate the heating cables so tile installation can begin immediately, resulting in a much faster installation. The system is also available with a Wi-Fi thermostat that makes programming fast and simple, from home or while on the road.

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