



One of the major uses for **TC-417** is to thermally isolate the underside of the floors of habitable space, when the floors also form the ceilings of unconditioned space. Parking garage ceilings are typical examples.

Note: **TC-417** is equally effective when used either in cool to cold temperate climates and also in warm to tropical conditions. In the first case, the material restricts heat flow **out** of the building via the floor to the extent that the insulated floor never feels cold. In the second case, our product restricts heat flow into the building via the floor. **In both cases, building conditioning (heating and cooling) costs are reduced, and occupant comfort is enhanced.**

The following three pictures illustrate typical parking garage ceiling applications:

1) Installation on concrete. A very typical installation on a flat surface with minimal penetrations.



2) Installation on concrete. Note bare patch that indicates no habitable space above and where insulation is not required. Some advantages of spray application as illustrated are:

- a) Easy to define boundaries precisely, and to seal edges along the transition;
- b) Effective sealing of pipe penetrations and hangers.



3) Close-up of typical finish on concrete or other smooth surface.



© 2010 ThermaCoustic Industries International Limited



THERMACOUSTIC® INDUSTRIES INTERNATIONAL LIMITED

#108 - 20119 - 113B Avenue, Maple Ridge, BC, Canada V2X 0Z1
Telephone: 1-866-460-1474 • (604) 460-1475 • Facsimile: (604) 460-1476
info@thermacoustics.com www.thermacoustics.com