



The following pictures illustrate some other overhead applications for **TC-417**.

Illustration 1) is a retrofit job showing a cluttered substrate with access further impeded by the installed grid for a drop ceiling

1)



Illustration 2) shows **TC-417** sprayed on the underside of the roof of a metal building to supplement existing, but inadequate, rigid insulation on the outside of the roof. This is a perfectly valid method of improving the total insulation value of an older building built to lower energy efficiency standards. However, it must be noted that **in any climate ranging from cold to cool temperate at least 66% of the total insulation value must be on the cool side of the vapour retarder.** In any steel building, the steel roofing and/or cladding acts as the vapour retarder.

2)



Illustration 3) shows **TC-417** sprayed over fireproofing on the underside of steel decking that is overlaid with concrete to provide a smooth sub floor for the office space above. The steel decking, which forms the roof of an unconditioned parking area, required a fire rating, but the fireproofing could not provide the thermal insulation required. Therefore, **TC-417, a non-combustible product**, was sprayed over the fireproofing to provide the required thermal value.

It should be noted that, because of its low density, and **non-combustible rating, TC-417** can be sprayed directly over fireproofing without compromising either its bond or its ability to maintain the required fire rating.

3)



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