

Floor Slab

Floor slabs shall be as per the calculations of the structural engineer, but no less than a floor loading of 7.2 kPa (150 lbf/ft²).

For elevated slabs, the concrete topping over metal deck flutes shall have a thickness of at least 100 mm (4 in) to allow for the adequate embedment of epoxy and anchor bolts.

The floor slab shall be leveled and sealed with a non-penetrating seal, such as epoxy, which is a moisture barrier and prevents dusting and particulate.

In order to accommodate initial or future high-density equipment (e.g., disk arrays, fully loaded server cabinets), a minimum floor loading of 12.0 kPa (250 lbf/ft²) is recommended.

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