



Deck IsoRafts

Studio Float IsoRafts are, by design, an easy and efficient way to isolate your spaces from one another, *and* the outside world. When it comes to choosing which deck raft(s) are best for your application, it comes down to **load capacity** and understanding your existing construction layout.

Starting with our **Deck Rafts**, you want to identify if you are applying the IsoRafts to a concrete slab, flooring joists, or existing sheathing. Next you want to identify how many layers of flooring you expect to use. The more layers to be used means either (A) using more IsoRafts or (B) using larger IsoRafts.

Based upon predicted loads, IsoRafts are then laid out in a grid and fixed to your base foundation with glue or screws. Insulation should be inserted in the spaces between the rafts to further reduce any unwanted resonances from a hollow void. By carefully marking the raft locations you can easily ensure correct attachment of your base sheathing layer to the IsoRafts and subsequent layers above. A number of different materials may be used for each layer that offer different acoustical isolation properties until you reach the final top finish layer.

Studio Float offers three different sized Deck Rafts, with increasing load capacity:

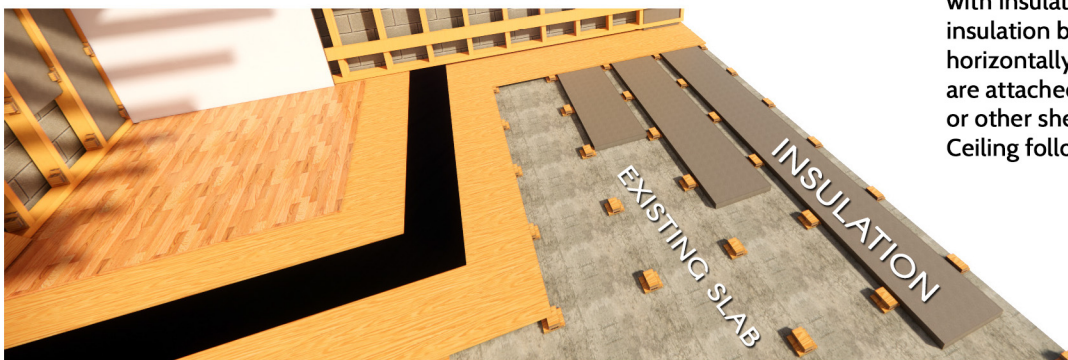
- 2" (300 lbs. sq/ft)
- 3" (450 lbs. sq/ft)
- 4" (600 lbs. sq/ft)

Each size is available in:
Low Profile (1-1/2" height)
and High Profile (2-1/4" height)

-which facilitates use of PVC piping under the floor for cable runs.



Fig. 1 Studio Float IsoRaft Deck Rafts on concrete slab with insulation in between IsoRafts, Walls showing insulation between studs with IsoRafts 16" OC horizontally and 24" OC vertically. Furring strips are attached to the IsoRafts and plywood, sheetrock or other sheathing materials attached to furring strips. Ceiling follows same application as walls.



IsoRaft Deck Rafts shown in grid with insulation placed in-between each row, plus multi-layer flooring plan.



2" low profile LPDR2



3" low profile LPDR3



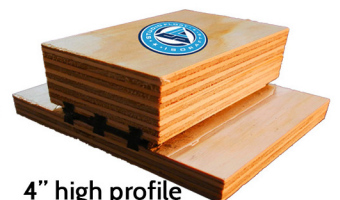
4" low profile LPDR4



2" high profile SFDR2



3" high profile SFDR3



4" high profile SFDR4