

Gulf Horizons Flooring Sound Insulation Requirements

Revised 5/1/19

Upon replacing any flooring, the unit owner must install sound control underlayment prior to installing any new flooring

For Hard Flooring (examples are wood, laminate (Pergo/Wilsonart, etc.), tile, stone, etc.): The sound insulation membrane must be guaranteed by the manufacturer to meet or exceed the performance of either of the below specifications:

- ASTM E90 and E492 as tested on 8" concrete slab:
 - STC (Sound Transmission Class) 60
 - IIC (Impact Insulation Class) 60
- ASTM E90 and E492 as tested on 6" concrete slab with *no* acoustic ceiling:
 - STC (Sound Transmission Class) 50
 - IIC (Impact Insulation Class) 50

For Resilient Flooring such as Luxury Vinyl Tile (LVT): this flooring must be installed over sound insulating products that are guaranteed by the manufacturer to meet or exceed the performance of the below specifications:

- ASTM E90 and E492 as tested on 8" concrete slab:
 - STC (Sound Transmission Class) 55
 - IIC (Impact Insulation Class) 55

Proflex products are available to meet all of the above specifications. InstaLay 30 and InstaLay 50 (not InstaLay 25) may meet the association's specifications depending upon what type of flooring is used (www.instaflorna.com). Other manufacturers that may have suitable products: www.foamproducts.com, www.Solidsoundusa.com, www.soundseal.com, www.kineticsnoise.com

All floor systems should be installed according to the manufacturer's recommendations. Particular care should be paid to isolating the floor from the wall assemblies to avoid transmitting sound into the unit's walls.

Products that are simply woven fibers with no polymer or rubber content are not acceptable. Products that list STC and IIC performance but do not give the test environment (esp. slab thickness) are not acceptable. "Typical" is not the same as "Guaranteed" – products and manufacturers that provide only "typical performance" (or equivalent words) and do not guarantee specified performance are not acceptable.

Carpet must be installed over a heavy-weight underlayment, preferably with a high rubber content.

Example PROFLEX products for Porcelain or Ceramic floor tile:

Below is an example product mix that meets the sound insulation requirements and is fully warranted if installed according to manufacturer's recommendations. This has been installed under porcelain tile at Gulf Horizons and the result is an exceptionally quiet apartment.

PROFLEX Products are available locally from:

CISCO Flooring
3333 Washington Blvd – Unit 4
Sarasota, FL 34324
www.ciscoflooringsupplies.com

Brian Fister, Mgr.
941 782-0470

Shoreline Flooring
1524 Market Circle
Port Charlotte, FL 33953
Telephone: 941-235-2525

Proflex products and budgetary pricing:

- Proflex 90 adhesive backed tile underlayment: \$1.18/sf in 100 sf rolls (3 ft. x 33.3 ft.)
- Proflex PR-11 Primer: \$27.00/gallon (covers 400 s.f.)
- Proflex Thinset: Medium bed Pro-Stick 50 (PS50): \$15.50/bag. (covers 40-50 s.f. per bag using a ½" x ½" notched trowel)
- Proflex RST (Rubber Seam Tape) can be used if the underlayment is being used to bridge cracks in the floor slab