

Primary Acoustics LLC
Pre-Test Punch List
VERDEX[®]
Acoustical Underlayment



Outlined below are general requirements for construction completion before acoustical testing is to be performed. The General Contractor, with assistance from Subcontractors, should ensure the following measures are completed in the upstairs and downstairs rooms that comprise the room pair scheduled for testing.

Room Selection

1. Try to select upstairs and downstairs rooms at the inside of the building away from exterior windows.
2. Ideally, both the upstairs and downstairs rooms will be identical. If this cannot be achieved, the upstairs room should be larger with the floor extending fully over the ceiling of the lower room.

Floor/Ceiling Assembly

1. Verify the floor/ceiling assembly, with exception of the finished floor, is constructed as shown on the drawings.
2. Repair all holes in subfloor and ceiling gypsum wallboard (GWB).
3. Scrape clean any caulk or other substances to leave a smooth floor.
4. Ceiling GWB should be finished with the joints taped. Finished painting is not necessary.
5. Provide 16 square foot finished floor samples as directed by Primary Acoustics LLC.

Partitions

1. Caulk partition/floor juncture perimeter at the upstairs and downstairs rooms.
2. Repair any holes in partitions at the upstairs and downstairs rooms.
3. GWB should be finished with the joints taped. Finished painting is not necessary.
4. Install “sound flanking” partitions in front of the lower room partitions. The sound flanking partitions should comprise 2 to 3 inch studs spaced 1 inch from the room partitions with one layer ½ inch GWB. The GWB at the floor and ceiling should be held back by ¼ inch and the gaps filled with foam backer rod.

Doors

1. Doors in upstairs and downstairs rooms should be installed.
2. Install doors in the rooms adjacent to the room to be tested, e.g., master bedroom with a bathroom.
3. Install temporary door (¾ inch plywood) in hallway if upstairs and downstairs rooms are near a stairwell.
4. Provide perimeter weather stripping seals at all door head, jambs, and bottom.
5. Install doorknobs or latches.

Windows

1. If downstairs room has a window, temporarily install ½ inch plywood with 3 inch fiberglass insulation between windows and plywood to block passage of exterior noise or acoustical testing noise via the window path. Use duct tape to close off plywood at window perimeter.

Electrical

1. Caulk perimeter of all electrical outlets in upstairs and downstairs rooms.
2. Caulk perimeter of all ceiling light fixtures in downstairs room.
3. If electrical or lighting outlets are not yet installed, apply temporary GWB patch over all openings.
4. Provide 120 VAC 60 Hz power in the upstairs room or extension cord to temporary electrical power.
5. Provide temporary electrical light source in upstairs and downstairs rooms if testing is to be completed in the evening.

Ductwork

1. Temporarily close off supply air and return air diffusers in upstairs or downstairs room by applying a GWB patch over the opening or stuff fiberglass insulation in the upper and lower supply and return air ducts.
2. Temporarily close off any supply and return air diffusers that are in adjacent room(s) or hallway next to the downstairs room as described above.

Room Conditions

1. Leave in upstairs and downstairs room floor in “broom clean” condition and remove any construction debris.
2. Mark with chalk line or paint the position and direction of the floor joists or beams in the upstairs room.
3. Do not install carpet in downstairs room until acoustical testing is completed.

Other

1. **Provide photographs of upstairs and downstairs construction to Primary Acoustics LLC to verify above conditions have been completed.**
2. Contact Primary Acoustics LLC if there are sound transmission paths not discussed above that need to be addressed.
3. Schedule acoustical measurements during a time period when there is no scheduled indoor or outside construction activity that would produce noise.