Specification: STC Acoustic SleeperTM

April 13, 2020

The STC Acoustic Sleeper is specified in **Section 061600 Sheathing** under “Miscellaneous Products.”

PRODUCT SPECIFICATION:

Resilient Sleeper Pads: Extruded solid neoprene rubber for impact noise insulation in floor construction.

1. Acoustic Sleeper System by STC Sound Control.
2. Impact Noise Reduction: IIC-23 according to ASTM E 2179.

INSTALLATION ON CONCRETE AND OTHER SOLID DECKS

Acoustic Floor Covering System: Two wood panels supported by resilient sleeper pads.

1. Install wood strip perimeter supports cut from ¼"-thick wood panels at slab terminations, edges of openings in slab, columns, pipe penetrations, and stair landings.
2. Staple pads to underside of lower panel at 24-inches on center with pads overlapping at trailing edges for support of subsequent panels.
3. Lay lower panels on deck in running bond pattern.
4. Adhere and staple upper panels to lower panels rotated at right angles, in running bond pattern, with joints overlapping joints in lower panel.

INSTALLATION AT WOOD FLOOR CONSTRUCTION

Acoustic Wood Floor Construction System: Wood panel sheathing on structural members with wood panel subfloor supported by resilient sleeper pads.

1. Comply with requirements of listing agency for fire rated design.
2. Fasten square-edged wood sheathing panel to structural members. Allow for drainage through joints. Refer to structural.
3. Install wood strip perimeter supports cut from ¼"-thick wood panels at load-bearing partition locations including exterior walls, interior bearing walls, shear walls, and terminations of deck at openings.
4. Staple pads to sheathing or T&G subfloor panels to align with structural members and at 16-inches minimum along structural members, 8-inches minimum at square edges. Overlap pads at trailing edges for support of subsequent panels.
5. Fasten T&G subfloor panels with ring-shank nails, *through pads only,* and through sheathing panels into structural members.