

Installation Guide



SONOpanX® flooring acoustic panels are effective, light and easy to install.

Before installing SONOpanX

Before installing SONOpanX® acoustic panels, ensure that the installation site and conditions meet those described in this guide.

Please note

These installation instructions are a general guide. Please refer to the glue and/or flooring manufacturer's recommendations.

These instructions correspond to residential and light commercial applications. For larger surfaces or any other applications additional steps may need to be taken to ensure an effective and lasting flooring solution.

SONOpanX® acoustic panels should be protected from the elements at all times. Acclimatize the panels in installation area by stacking the panels horizontally on a flat surface for approximately 48 hours before installing

Preparation of concrete or wooden subfloor

The installation area should be thoroughly cleaned and free from any loose debris. The floor should be even within a 5 mm (3/16") deflection over a 3m (10') span. High spots should be ground or sanded down and low spots filled with the appropriate levelling compound. When installing SONOpanX® on concrete subfloor, ensure that the concrete is cured to manufacturer specifications before installing SONOpanX on top. When installing SONOpanX® on a wooden subfloor, the subfloor should have a tongue and groove interlocking with a minimum thickness of 5/8" (16 mm). Ensure the subfloor (plywood or other wood panel) is firmly fixed to the frame structure to avoid movement and creaking. When securing SONOpanX® panels to the subfloor, Nails or a urethane based adhesive should be used.

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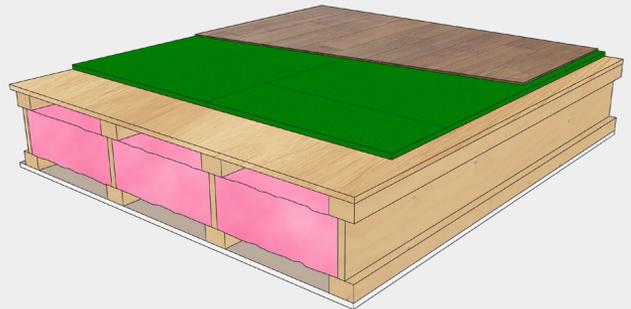
Installing SONOpanX

SONOpanX® panels should be installed dimple side down and offset by 24 inches (610 mm). Butt panels snugly together leaving a gap of 3/8" (10 mm) to 5/8" (16 mm) around the exterior walls and around any opening made in the SONOpanX® (I.E. for a plumbing stack). Fill this gap with a 1/2" (13 mm) or 5/8" (16 mm) backer rod or neoprene insert using acoustical sealant to secure this in place.

Staple the panels down using 9 staples evenly spaced 3" from the edges and one in the middle for each panel. **Countersink** the staple heads. Use 1/4" or 7/16" staples with a length of at least 1.5". If adhering SONOpanX® to the subfloor, use MSL S-63 solvent-free adhesive or equivalent. A 3/16" (5mm) V-Notch trowel should be used. When applying adhesive, hold trowel at a 45-degree angle to maximize spreading. Adhesive should not be applied if room temperature is below 70°F (20°C). Let dry for at least 24 hours before installing any flooring or subfloor on top of the SONOpanX.

Floating flooring - Recommended

Floating floors provide the best soundproofing results. Laminates, Vinyl or engineered wood are the most common forms of floating flooring.



Installing Ceramics over SONOpanX

Follow the preceding instructions to install SONOpanX then install a layer of tongue and groove 15.9 mm (5/8") OSB glued to the SONOpanX panels using S63 or any solvent free elastomeric glue.

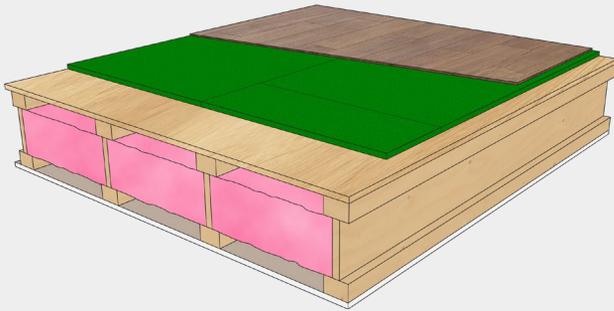
WARNING: adhesives containing solvents are not compatible with SONOpanX® acoustic panels.

IIC Rated Assemblies

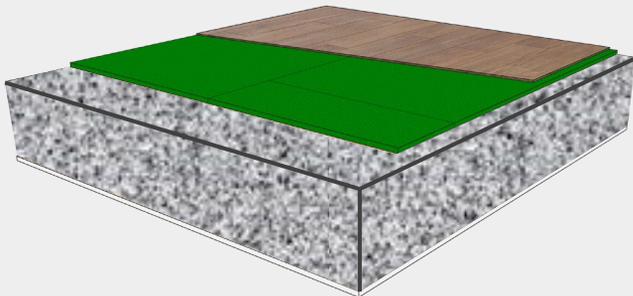


SONOpanX panels alone have an STC rating of 22 And IIC assemblies start at 50 and increase from there

- Panel dimensions 4 foot x 4 foot 7/16 inch thick
- Made from 100% recycled wood, natural binders and food grade colour, they're easy to work with and don't contain any harsh glues or chemicals
- Install SONOpan on top of the existing subfloor or cement floor following installation directions



2x10 Wood joists, floating flooring IIC 51*



6" cement, floating floor IIC 66*

* The indicated STC / ESTC/IIC performances on drawings can vary according to the physical properties of the materials in the assembly and their installation.