

The **Regupol® SoundPanel** is a panelized free-floating subfloor system designed to absorb airborne sound and structure-borne vibration. Regupol® SoundPanel can be used in combination with a floating concrete topping, hardwood, tile, and vinyl flooring.

Materials

Each factory assembled SoundPanel consists of a high quality OSB panel, fiberglass batting, and nine Regupol® SoundPad rubber bearings.

Regupol® America – the leader in acoustic and vibration control; brings sustainable, engineered, technology-driven products to your next construction project.

Product Selection

Select the SoundPanel type by using the table below. When deciding on a type, you should consider the static load (dead load) and dynamic load (live load).

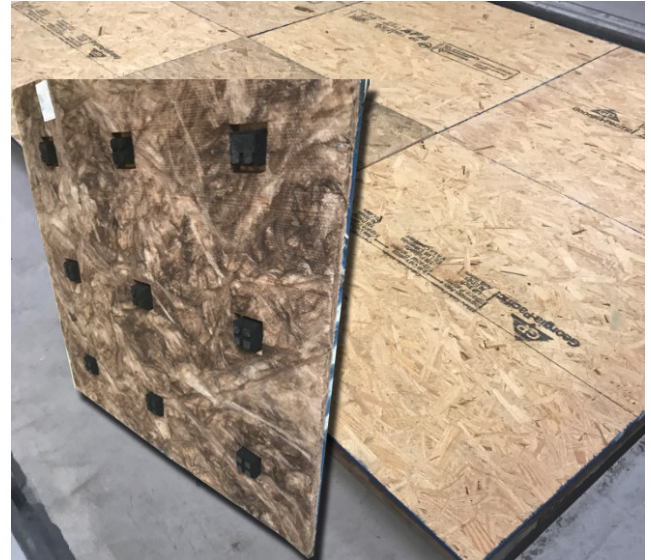
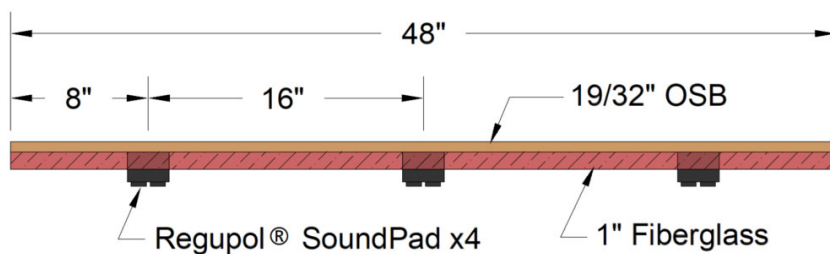
Floor Load	SoundPanel
0 – 0.95 psi	x4
0.95 – 5.87 psi	x9

Dimensions

Area: 4' x 4', 16 sqft (1.22m x 1.22m, 1.486 sqm)

Air Gap: 2" (50mm)

Total Thickness: 2-5/8" (67mm)

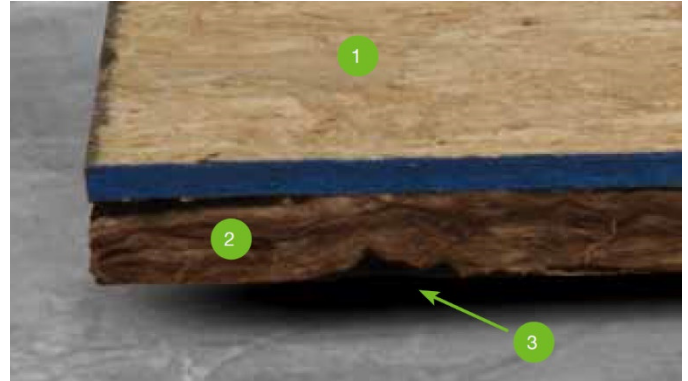


Applications:

- Convention Centers
- Performing Arts Centers
- Gyms and Fitness Centers
- Recording Studios
- Cinemas
- Mechanical Equipment Rooms
- Any area where reduction of sound and vibration is desired

Features

1. 19/32" OSB for durability
2. 1" fiberglass batt for increased airborne sound absorption
3. Regupol® SoundPad dampens structure-borne noise and vibration



Acoustical Performance

Product	Subfloor	Floor Covering	Underlayment	STC	IIC	ΔIIC
SoundPanel x4	5-1/2" Concrete Slab	4" Concrete Topping	None	71	72	43
None	6" Concrete Slab	None	None	50	24	--
SoundPanel x4	6" Concrete Slab	None	None	62	58	22
SoundPanel x4	6" Concrete Slab	Luxury Vinyl Tile	Sonus LV300	62	61	--
SoundPanel x4	6" Concrete Slab	Hardwood	Sonus 3mm	62	62	--
SoundPanel x4	6" Concrete Slab	Ceramic Tile	Sonus 5mm	62	63	--
SoundPanel x4	6" Concrete Slab	AktivLok 9mm	None	62	62	26
SoundPanel x4	6" Concrete Slab	AktivPro 1"	None	62	65	28
SoundPanel x4	6" Concrete Slab	AkustiPro ML70	None	62	76	41

Example Assembly

4. Floating Concrete Slab
5. Polyethylene Film
6. Plywood or OSB
7. Regupol® SoundPanel
8. Subfloor
9. Regupol® Perimeter Isolation Strip

