

Regupol® SoundPanel

Floating Floor System



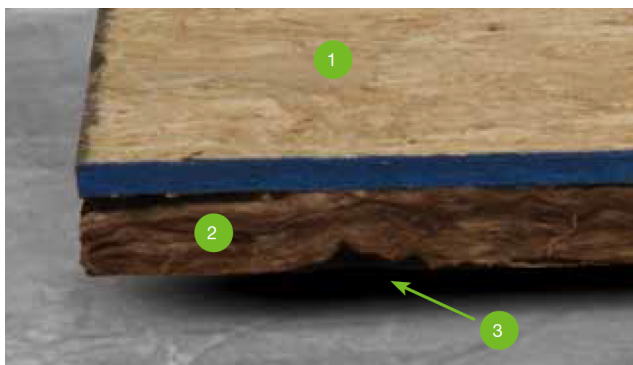
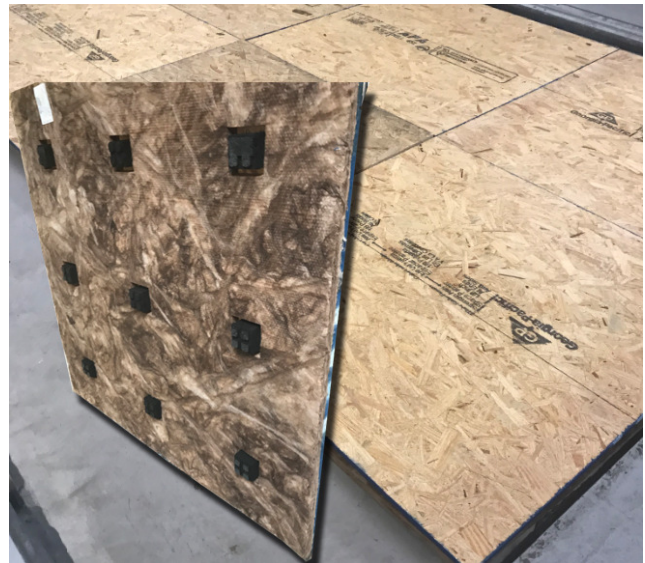
Description

Regupol® SoundPanel is a panelized free-floating subfloor system designed to absorb airborne sound and dissipate structure-borne sound and vibration. Each factory assembled 4' x 4' SoundPanel consists of a high quality OSB panel, fiberglass batting, and (9) Regupol® SoundPad rubber bearings. Regupol® SoundPanel can be used in combination with a floating concrete topping, hardwood, tile, and vinyl flooring.

Application

Regupol® SoundPanel can be used for noise and vibration control in a wide variety of applications. Some common uses include:

- Convention Centers
- Performing Arts Centers
- Fitness Studios and Gyms
- Recording Studios
- Cinemas
- Mechanical Equipment Rooms



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

Product Selection

To select the most appropriate Regupol® SoundPanel type, refer to the product guide below. When deciding on a type you may want to consider the static load (dead load) and dynamic load (live load).

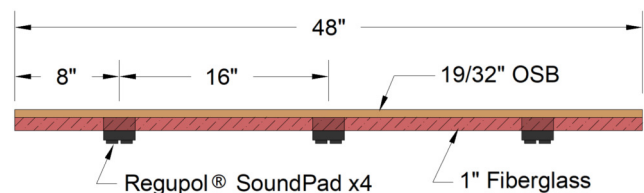
Floor Load	SoundPanel
0 - 0.95 psi	x4
0.95 - 5.87 psi	x9

Dimensions

Area: 4' x 4', 16 sqft (1219 x 1219mm, 1.486 sqm)

Air Gap: 2" (50mm)

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

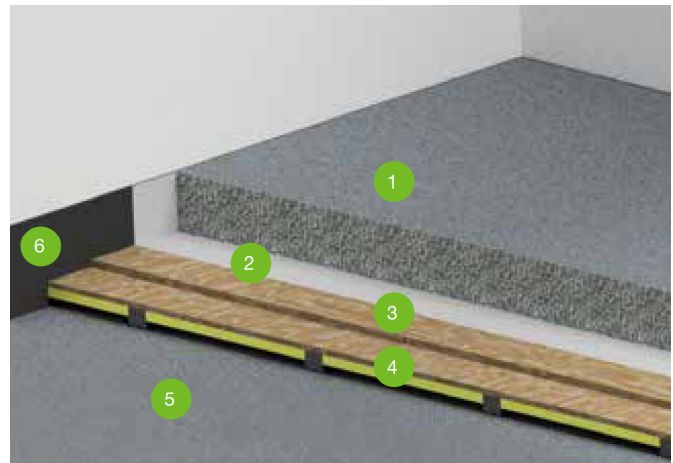


Acoustical Performance

Product	Sub-Floor	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	--
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	--
SoundPanel x4	6" Concrete Slab	AktivPro 1"	None	62	65	--
SoundPanel x4	6" Concrete Slab	AkustiPro 80	None	62	70	--

Example Assembly

1. Floating Concrete Slab
2. Polyethylene Film
3. Plywood or OSB (optional)
4. Regupol® SoundPanel
5. Subfloor
6. Regupol® Perimeter Isolation Strip



For further information please visit Regupol-Acoustics.com or contact us directly at acoustics@regupol.com.

The information and data contained herein are based on industry accepted testing, manufacturing tolerances and prior product usage as set forth. It is intended as descriptive of the performance characteristics and capabilities, and does not certify applicability for any particular or specific project. Technical assistance, calculations and design recommendations are available from Regupol® America, and are subject to terms and conditions provided upon request.