



SONODECK

Application and specification guide

Basic uses

A system for sub floor construction, consisting of engineered wood panels laminated with high-density "fibre glass mat" and overlap-edge jointing. SONODECK is a soundproofing treatment used to reduce sound transfer and noise impact produced by walking on suspended concrete or wood construction floors.

Workability

Resists splits, cracks, splinters and delamination
Easy to saw - can be routed and drilled with standard woodworking tools
Low linear expansion coefficient panels

Covering materials

Provides an excellent surface for most floor covering materials*
Provides a surface for additional underlayment
To install ceramic tiles we recommend ½" additional plywood
To install vinyl tiles we recommend ¼" plywood

* NB: The manufacturer's installation instructions must be followed.

OSB Technical properties

Engineered wood panels
OSB panels comply with the following industry standards and certifications:
OSB panels are APA-certified (The Engineered Wood Association)

Fibre glass mat technical properties

Fire hazard classification: 25/50 (per ASTM E 84 and UL 723 and CAN/ULC S102-M88) labels supplied – request when ordering

Temperature limit: 250°F (121°C)

Compressive strength: 7.5 ib./sq. in. (1080 ib./sq. ft.)

Available sizes

	Thickness	Width	Length	Edge
OSB	3/4	31 9/16	48	Over-lap
FIBER MAT	1/4	31 9/16	48	---
Finished product	1	31 9/16	48	Over-lap

Installation

Floating system - only needs glued joints
Sonodeck glue (900 ml bottle covers approx. 1000 ft²)
Joints must cross at each row
A 6-mil polyethylene vapour barrier is recommended before installing sonodeck floor on concrete (please refer to installation guide)
Installation training supplied upon requested.

Product Certification

As part of its ongoing commitment to Research and Development, Insulfloor undertakes impact isolation testing in both wooden and concrete buildings. This testing is conducted in compliance with the requirements of ASTM E 1007-97 *Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission through Floor-Ceiling Assemblies and Associated Support Structures*.

We employ the services of an independent, Ottawa-based engineering company, www.integraldxengineering.ca, which has all the calibrated instrumentation necessary to undertake this testing.

Insulfloor is confident that when properly installed, that the field impact isolation performance of our product will surpass the Quebec Building Code, Impact Isolation Class (IIC) 50 requirements.

Insulfloor is pleased to offer product certification testing services to purchasers of our product. Contact Insulfloor Inc to enquire about testing for your project.