

## Installation Instructions

### Section 1: General information

#### 1.1 Storage and handling

Store the SONObase panels in a dry place, sheltered from the elements. The manufacturer performs thorough quality tests to ensure their products comply with established criteria and standards. Before installing the SONObase panels, ensure the work site conditions meet the appropriate safety standards, and the conditions described in this guide. The manufacturer cannot be held responsible for improper installation of the products.

#### 1.2 Related work

Related work includes but is not limited to

- Concrete slab / screed
- Plywood
- Acoustic sealant
- Adhesives
- Ceramic tiles
- Baseboards
- Thermal insulation
- Floor covering
- Carpet
- Joint expansion
- Cement mortar
- Glued tiles
- Vinyl
- Hardwood, floating and engineered floors

#### 1.3 Warranty

MSL expressly guarantees the products it manufactures to be free from manufacturing defects that would render a product unsuitable for its intended use. The duration of this warranty is limited to ten (10) years from the date of the product's manufacture. MSL commits to refunding or replacing any product with a manufacturing defect subject to the following conditions and restrictions. This warranty does not cover any labour costs or materials related to the replacement of MSL's products. Buyer must return any defective product to the point of purchase for replacement or reimbursement. The SONObase panels must be kept indoors at a moderate temperature. This warranty does not cover any damages caused by negligent handling of materials and/or related work. This warranty is valid only for the original buyer and is not transferable.

#### 1.4 Conditions for installation of SONObase

All conditions for installation must be in accordance with the recommendations of MSL, the acoustician, the architect and the suppliers of related materials. Before installing the SONObase panels, all building openings must be closed (i.e. doors, windows, garage doors, etc.) and the installation area must be dry.

### Section 2: Product information

2.1 SONObase is an acoustic structural panel. Made of high-density wood fibres, it is manufactured with recycled wood. Its surface is coated with multi-line polymer. The thickness of the panel is 11 mm (7/16"). The panel dimensions are 1.22 m x 2.44 m (48" x 96").

### Section 3: Installation of the SONObase panel

3.1 Install the SONObase panel on a flat surface that it is clean and free from all loose materials or other imperfections. In the case of imperfections, level the surface prior to installation of the SONObase panel. The surface materials to which the SONObase panel will be affixed must be installed in accordance with architectural plans and specifications.

3.2 Glue the SONObase panel onto the subflooring using an acrylic based adhesive, such as MSL S-63, or equivalent. The adhesive must be applied over the entire surface. The green surface of the panel must always be installed facing upward. Allow adhesive to dry at least 24 hours before installing the floor covering, or as per the recommendations of the adhesive manufacturer.

3.3 Butt the edges of the panels tightly together. Stagger the joint ends approximately 0.61 m (24") from each other. Carefully fill all joint gaps with acoustic sealant.

3.4 Leave a space of 9.51 mm (3/8") from the floor surface and around each opening in the SONObase panel. **Follow the same procedure for any materials installed on the SONObase panel. Fill the space** around the perimeter of the room and around any other gaps with a strip of 12.70 mm (1/2") sealant and apply an acoustic sealer level with the floor over the sealant strip.

3.5 Do not install the mouldings directly against floor covering; allow a space of 3.175 mm (1/8") to avoid transfer of vibrations from the floor to the wall.

#### Section 4: Installation of floor covering

##### 4.1 Floating hardwood

Install the floating hardwood flooring directly on the SONObase panels.

##### 4.2 Plank or engineered hardwood flooring

Install the plank or engineered hardwood flooring according to the recommendations of the flooring manufacturer. Planks should be precisely glued onto the SONObase panel with an above-noted adhesive.

##### 4.3 Conventional hardwood

Install conventional 19 mm (3/4") hardwood planks on 15.875 mm (5/8") tongue and groove plywood or 15.875 mm x 101.6 mm (5/8" x 4") plywood laths spaced 254 mm (10") from centre to centre. Glue the wood laths onto the SONObase panels, using an above-noted adhesive. Never nail the plywood into the SONObase panels.

##### 4.4 Others (glued tiles, carpet or vinyl)

All floor coverings, such as carpet, vinyl, etc. must be laid on plywood with a minimum thickness of 9.51 mm (3/8"), which must be glued onto the SONObase panels, using an above-noted adhesive.

##### 4.5 Ceramic tiles

Install a layer of tongue and groove 12.7 mm (1/2") plywood glued to the SONObase panels using an above-noted adhesive. Install a second layer of 12.7 mm (1/2") tongue and groove plywood, screwing it into the preceding layer using 1" wood screws. Install the ceramic tiles.

#### Section 5: SONObase on a concrete slab / screed

5.1 Install the SONObase panels taking care to stagger the joint ends approximately 0.61m (24") from each other. Butt the edges of the panels as tightly as possible. Take care to fill all joint gaps with acoustic sealant.

5.2 Install a strip of SONObase around the perimeter of the room vertically from the surface of the floor or any other gap and to a height sufficient to be level with the finished concrete slab / screed.

5.3 Install a layer of 6 mil polyethylene on the surface of the SONObase panel. Overlap the joints by 152.4 mm (6"). Seal the perimeter and all joints using waterproof tape (e.g. Tucktape).

#### Note:

*Ensure that all specified requirements of the National Building Code are respected. All possible structural vibrations must be corrected prior to the installation of the SONObase panel. Verify the application with your MSL representative, engineer, architect, or acoustician prior to installation. Be sure to verify with an architect or engineer that the structure of the building can sustain the additional load, that expansion joints are identified and shown on the plan and that the deflection will be less than 1/360 of the span.*