

### Part 1: General Information 1.1

#### 1.1. Storage and handling

Always store SONOcrete panels flat on site and in a temperate and dry place. Never store SONOcrete panels horizontally or vertically leaning against a wall. The manufacturer carries out several quality controls to ensure that the products meet and exceed the established norms and standards. Before installing the products, always ensure that the site conditions meet those prescribed in this document. The manufacturer cannot be held responsible for improper storage or improper installation of the products.

#### 1.2. Related works

- Plywood
- Floor covering
- Baseboard
- Acoustic sealant
- Adhesive tape
- Engineered wood / floating / laminate
- Adhesive
- Expansion joints
- Ceramic tiles
- Cement mortar
- Thermal insulation
- Vinyl

#### 1.3. Guarantee

MSL expressly guarantees the products it manufactures, for a period of ten (10) years from the date of manufacture thereof, against any manufacturing defect rendering them unsuitable for the use for which they are intended. MSL agrees to refund or replace any product with a manufacturing defect, subject to the following conditions and restrictions. This warranty does not cover labor and other product charges associated with replacement work. Return any defective product to the place where it was purchased for a replacement or a refund. SONOcrete panels must be installed in a temperate room. Any damage caused by negligence or inadequate maintenance of the floor and partitions will invalidate this guarantee. This warranty is valid for the original purchaser only and is not transferable.

#### 1.4. Installation conditions for SONOcrete panels

Conditions must be as recommended by MSL, the acoustical consultant, the architect and the material suppliers. Prior to the installation of the SONOcrete acoustic panels, all openings in the building must be closed: doors, windows, garage doors, etc. and the place of installation must be dry. Always verify compatibility between the chosen floor and SONOcrete with the floor manufacturer.

### Part 2: Product

2.1. SONOcrete is an acoustic support panel. Made of a high-performance wood fiber panel and a factory-laminated polyester acoustic membrane. The thickness is 19/32" (15.12 mm) and the dimensions of the panel are 48" x 96" (1.22 m x 2.44 m).

### Part 3: Floating installation

3.1. Install SONOcrete wood fiber panels on a flat surface, without imperfections, well cleaned, dry and free of all loose materials.

3.2. Place the SONOcrete panels on the subfloor, the green surface with the cavity (holes) must always be installed down and the membrane side up.

3.3. Stagger end joints approximately 48" (1.22 m) from each other. Joints between panels should be as tight as possible. Apply an adhesive tape (e.g. Tuck Tape type) along the SONOcrete joints when the flooring is a vinyl slat floor in click-type floating installation.

3.4. Leave a clearance of 3/8" (10 mm) around the perimeter of the floor surface and around each opening made in the SONOcrete panel. Do the same for the materials installed on the SONOcrete panel. Fill the cavity around the perimeter of the room and obstacles with a 1/2" (12.70 mm) sealing bead and apply an acoustic sealant over the bead until it is flush with the finished floor.

3.5. Install the floor finish of the "Engineered wood or Driftwood or laminate or vinyl" type by depositing it directly on the SONOcrete or according to the recommendations of the floor manufacturer. Install according to the rules of the art.

\* If there is a curvature in the panel, fix it with screws at the relevant places. Drive the screws a minimum of 1/8" (3.175 mm) into the panel. To put as few screws as possible.

3.6. Check with the manufacturer of the floor finishes or the installer for compatibility of the products.



#### **Part 4: Installation of engineered floating wood with glued tongue and groove.**

4.1. Install SONOcrete wood fiber panels on a flat surface, without imperfections, well cleaned, dry and free of all loose materials.

\* If there is a curvature in the panel, fix it with screws at the relevant places. Drive the screws a minimum of 1/8" (3.175 mm) into the panel. Install as few screws as possible.

4.2. Stagger end joints approximately 48" (1.22 m) from each other. Joints between panels should be as tight as possible. Apply adhesive tape (eg Tuck Tape type) along the SONOcrete joints.

4.3. Leave a clearance of 3/8" (10 mm) around the perimeter of the floor surface and around each opening made in the SONOcrete panel. Do the same for materials installed on SONOcrete panel. Fill the cavity around the perimeter of the room and obstacles with a 1/2" (12.70 mm) sealing bead and apply an acoustic sealant over the bead until flush with the finished floor.

4.4. Install the engineered wood type floor finish (according the recommendations of the floor manufacturer.)

4.5. The first plank should be 3/8" (10 mm) from the wall. Cut the boards of the last row lengthwise in order to have a 3/8" (10 mm) space from the opposite wall. We recommend the use of temporary shims to keep the floor 3/8" (10 mm) from the walls because the floor may move during installation since it is a floating floor. Place wedges every 2'-3' (60-90 cm) along the starting wall and at the end of each start and end of row to prevent the boards from moving once in place. Make sure there is a 3/8" (10 mm) gap all around the perimeter of the floor. Measure and cut the last boards to have a 3/8" (10 mm) space along the last wall.

#### **Part 5: Ceramic tiles**

5.1. Install a row of 1/2" (12.7 mm) thick plywood over the SONOcrete. Use adhesives as previously indicated. Install a second row of 1/2" (12.7 mm) thick plywood, screwed and glued throughout, using floor screws every 6" square to anchor it to the floor structure . Then install the ceramic tile according to the recommendations of the floor manufacturer.

**NB:** *Ensure that the requirements specified by the National Building Code are met. Any possible structural vibration must be corrected prior to the installation of SONOcrete panel. Verify application with your MSL representative, engineer, architect, or acoustician. Take care to have an architect or engineer verify that the building structure can take the additional loads, that the expansion joints are located and shown on the plan and that the deflection is less than 1/360 of the span.*

*All floor finishes must be installed perpendicular to the joints of the SONOcrete acoustic panels.*

*No partition, indiscriminately, should be installed resting on the SONOcrete acoustic panel.*