

INSTALLATION GUIDE

FOR INDOOR USE ONLY

Can be installed under ceramic tiles or natural stones and on structural or surfacing concrete products, plywood or OSB (Oriented Strand Board) used according to manufacturer's recommendations and meeting the standards and codes in place. Compatible with heating floor systems (see table at the bottom of the page).

DO NOT INSTALL DIRECTLY ON GYPSUM SUPPORT.

Surface preparation

1. Correct the imperfections or problems of the excessive moisture in the subfloor according to the recognized standards of preparation.

Note : The membrane does not fix a problem of a deficient subfloor.

2. Ensure that the concrete is dry (emission rate of water vapor from the concrete not exceeding 3 lbs per 1 000 sq.ft. (1,36 kg per 92,9 m²) per 24 hours, according to the calcium chloride anhydrous test (ASTM F1869) or 75% according to the ASTM F2170 test. If the moisture exceeds these recommendations, use a vapor barrier protection before installing the COMFORTIMA system.

3. Thoroughly clean the subfloor: remove all grease, dust, wood particles, adhesive residue and / or black glue. In case of doubt, proceed to an adhesion test. (figure 1)

Note: Never install a wet or damp membrane. If so, let it dry before the installation. Make sure that the temperature of the subfloor is between 50°F and 90°F (10°C and 32°C).

Membrane preparation **AcustiTECH CERAMIC**

1. In order to complete the installation quickly,

we recommend cutting and floating the membrane across the whole surface, the aluminized side up.

2. The membrane strips should be touching without overlapping. Cut the membrane strips with a utility knife and cover the whole surface, including the wardrobes (figure 2).

3. In order to obtain the acoustical properties of the membrane, allow an extra 2 inches (5 centimeters) of the membrane to run up the sides of the wall and trim the excess membrane after the flooring is installed (figure 3) and before reinstalling the baseboards (figure 7).

Membrane and adhesive installation **Adhesive-Adhésif AD-280**

Note : Use only with the AcustiTECH™ AD-280 adhesive.

1. Begin the application of the adhesive along one wall. Proceed by section.

2. Fold a strip of membrane on itself (lengthwise) to apply the adhesive on the uncovered portion of the subfloor. By doing so, the application will be clean, fast and more comfortable for the knees (figure 4).

3. Apply the adhesive with the 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm) trowel included in the box by holding it at an angle of 45°. Maintain pressure on the trowel in order not to apply too much adhesive (figure 5). The trowel should be in contact with the subfloor and the latter should be lightly coated with adhesive, but visible between the trowel-ridges. If necessary, immediately pass the trowel again in order to recover the surplus of adhesive (see pictures below).

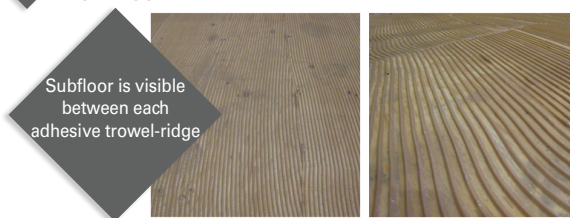
4. Unfold the membrane on the section of applied adhesive and fold the other half of the strip of membrane on the glued part. Apply the adhesive on the exposed subfloor. Do this for the entire room.

5. At regular intervals, check the transfer of the adhesive by lifting a corner of the glued membrane (95% transfer).

6. After gluing the membrane, pass a 75-100 lbs roll (35-45 kg) to ensure a perfect adhesion of the adhesive.

7. Ceramic can be installed immediately after the installation of adhesive and membrane

◆ **Proper application**



Subfloor is visible between each adhesive trowel-ridge

◆ **Improper application**



Too much adhesive
Creamy appearance
Surplus
Subfloor is not visible

Ceramic or natural stone installation

IMPORTANT : The following products should be used with the COMFORTIMA system.

It is not recommended to install the COMFORTIMA system under ceramic tiles of less than 10" x 10" (25 cm x 25 cm) in size.

◆ Mortar	◆ Grout
What to use : Polymer-modified mortar exceeding the requirements of ANSI A118.4 (i.e. Mapei Keraflex RS or equivalent).	What to use : Polymer-modified sanded grout (i.e. Mapei Ultracolor Plus FA or equivalent).
Why : This product ensures the necessary flexibility to the COMFORTIMA system to avoid the ceramic to crack.	Why : This product ensures the necessary flexibility to the COMFORTIMA system to avoid the ceramic joints to crack.
Recommendations : <ul style="list-style-type: none"> ◆ Follow the manufacturer's mortar recommendations attentively. ◆ Verify the transfer of mortar every 8 to 10 tiles according to the method recognized by the industry. ◆ Respect the minimum drying time recommended by the manufacturer of mortar. ◆ Before creating mortar trowel-ridges using the recommended trowel, apply a thin layer of uniform mortar to the membrane with the non-notched side of the trowel. ◆ Install ceramic or natural stone as specified by the floor covering manufacturer (figure 6). ◆ Provide a space between the wall and the floor covering to avoid transfer of noise vibration. ◆ It is recommended to apply a flexible latex sealant in the space between the flooring and the wall if the surface is subject to come into contact with water or prone to moisture. 	Recommendations : <ul style="list-style-type: none"> ◆ Follow the manufacturer's grout recommendations attentively. ◆ Do not allow heavy traffic before 72 hours or use planks or panels in case of absolute necessity. ◆ Respect the minimum drying time recommended by the grout manufacturer.

◆ Radiant heating system
For technical specifications, contact our Customer service at 1.888.838.4449 or service@acusti-tech.com The products to be used differ depending on the type of radiant heating system.
Recommendations : <ul style="list-style-type: none"> ◆ It is always important to carefully follow the recommendations of the manufacturer radiant heating system used. ◆ When a radiant heating system is used, the maximum operation temperature at any time and any place on the floor should not exceed 90°F (32°C).

