



architectural and construction acoustics

# SOUNDEC

## ACOUSTIC PANEL INSTALLATION INSTRUCTIONS

**IMPORTANT!** Soundec is a natural material composed of 50% of wood; therefore, Soundec panels behave the same way as wooden floors, i.e. their temperature and moisture content align with the temperature and humidity of the environment. **For this reason, Soundec panels should not be installed until the construction work is completed and the heat is turned on.**

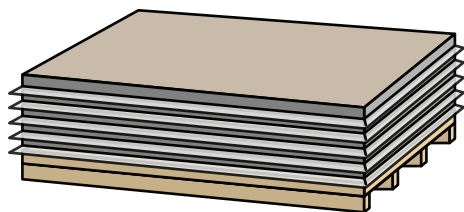
### BEFORE INSTALLATION

**IT IS NECESSARY TO FAMILIARIZE YOURSELF WITH THE CONDITIONS OF TRANSPORTATION, STORAGE, QUALITY INSPECTION PRIOR TO DELIVERY ACCEPTANCE AND ACCLIMATIZATION OF PANELS.**



## 1 Transportation

Transportation is carried out on pallets corresponding to the length of the panels. Panels are placed on the pallet strictly horizontally. All panels must be interlaid with release paper. Panels should be carried only in an upright position.



## 2 Quality Inspection Prior to Delivery Acceptance

Upon receipt of the panels, you should check whether the quantity corresponds to the declared number and make sure that there are no visible defects. If defects are found, a complaint about the defective panels should be submitted immediately, since claims concerning visible defects are not accepted after the panels are received and unloaded. Photographs of the defects and of the label on the bottom of the pallet should be attached to the complaint.

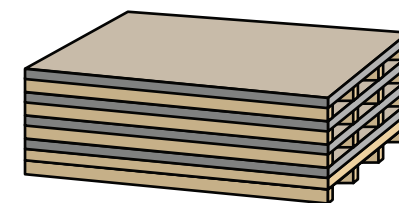
## 3 Acclimatization

Before installation, Soundec panels should be stored in the room where they will be installed to adapt to temperature and humidity. It is recommended to store panels under these conditions from 7 to 14 days. Optimal acclimatization is ensured by good ventilation achieved by putting wooden rails between the panels.

Keep in mind that Soundec is a natural material composed of wood fiber and cement; therefore, panels may show slight deviations from the nominal values. The dimension and weight characteristics of the panels stay within acceptable values at a temperature of  $+23 \pm 2^\circ\text{C}$  and a relative humidity of  $55 \pm 5\%$ . However, in case of improper storage and without acclimatization, the size and weight of the panels may change. If Soundec panels are installed without prior acclimatization, they can dry and shrink, and cracks may appear on the surface.

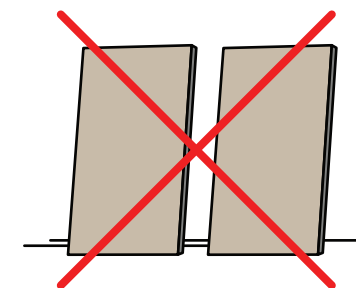
## 4 Storage

Soundec panels should be stored in a horizontal position on an appropriate surface, such as pallets or plank flooring. Do not store the panels in an upright position, as it can lead to deformation of the panels.



If Soundec panels are stored indoors, remove the packaging as condensation may form inside the packaging. Packaging must be removed in order for the panels to acclimate. While stored, Soundec panels should be protected from humidity, heat and dust.

When stored outdoors, Soundec panels should be covered with a tarp or similar waterproof material. Outdoor storage should be short. After this, the panels need to acclimate in the room where the installation will be carried out.



TRANSPORTATION



QUALITY  
INSPECTION



ACCLIMATIZATION



STORAGE



# INSTALLATION

## 1 Cutting to Size

Make marks on the panels. Put masking tape over the markings to prevent chips and tears while cutting.

It is recommended to use a high-speed, high tooth count tool for cutting the panels.(Fig. 1.1)

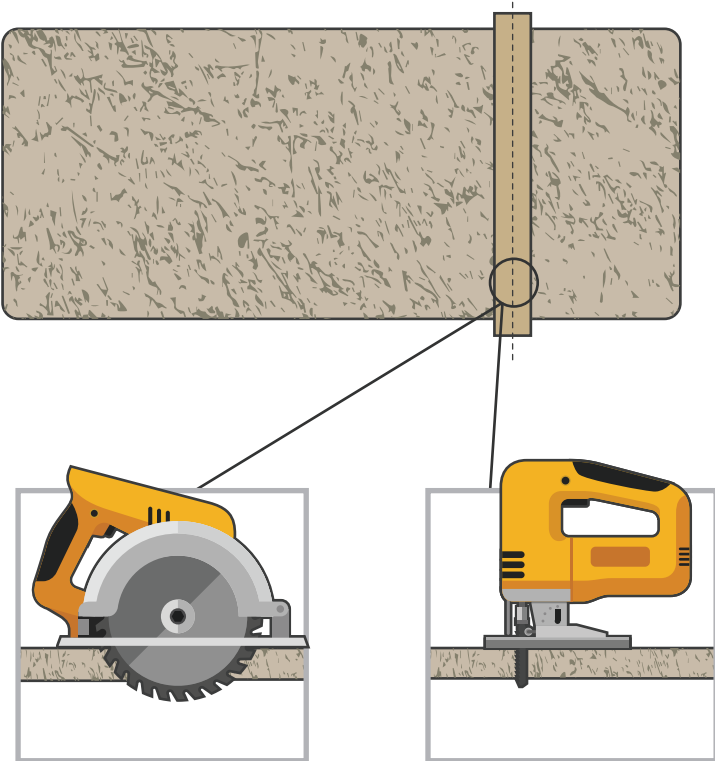


Fig. 1.1. Cutting the panels

A bottle with paint of the color of the panels is supplied with the panels.

If necessary, the cut can be touched up with the supplied paint. Use a sponge to gently dab paint over the cut avoiding filling the texture with the paint (Fig. 1.2)

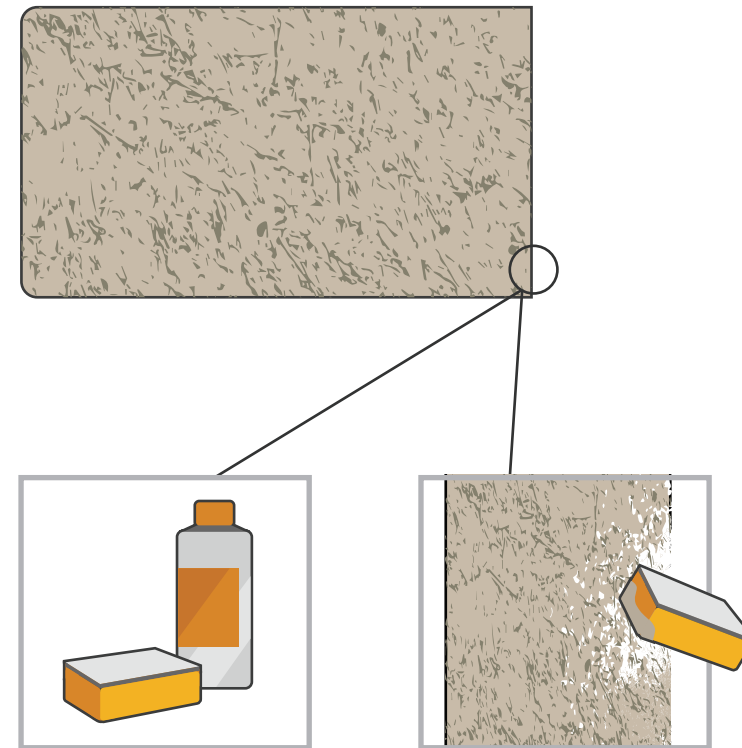


Fig. 1.2. Touching up with paint

## 2 Chamfering

Use a special milling tool for chamfering.  
Use masking tape to avoid chips.

If the panel is painted, paint over the chamfer with a brush or sponge.

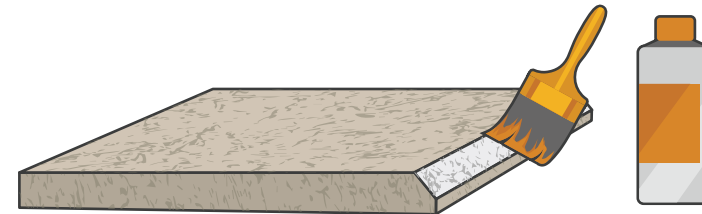
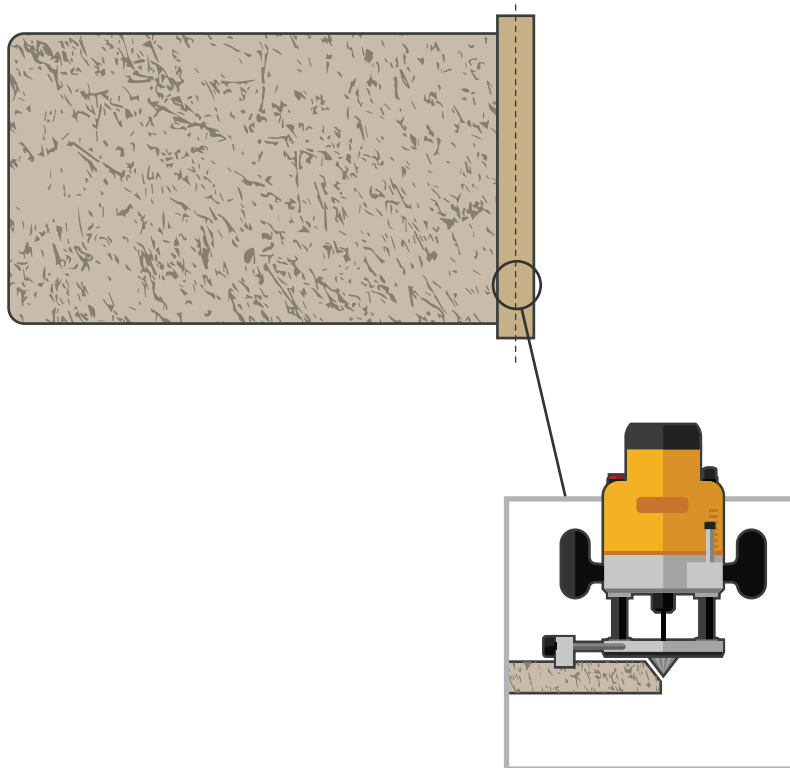


Fig. 2.1. Chamfering the edge



### 3 Frame Installation

The frame for the panels can be made both from metal profiles - Fig.3.1. (ceiling profile PP60x27) and from wooden rails - Fig. 3.2.

An installation option for a standard panel width of 600 mm is shown below.

The first profile or rail is mounted directly against the wall. The next one is placed at a distance of 600 mm from the wall. Additional rails are mounted at a center distance of 600 mm.

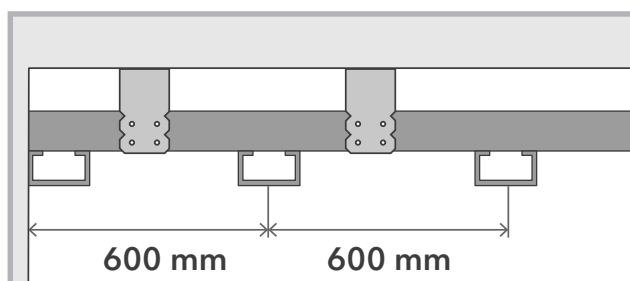
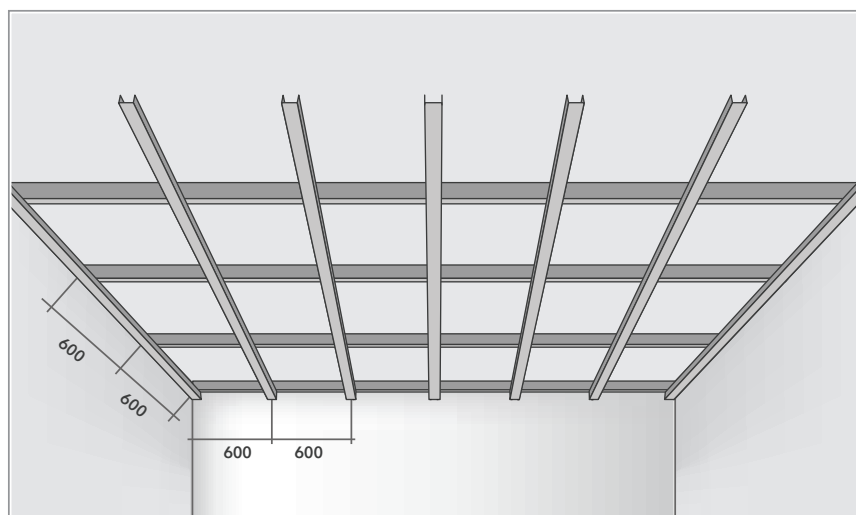


Fig. 3.1. Metal profile frame

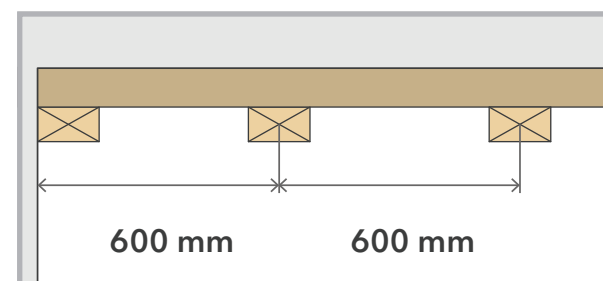
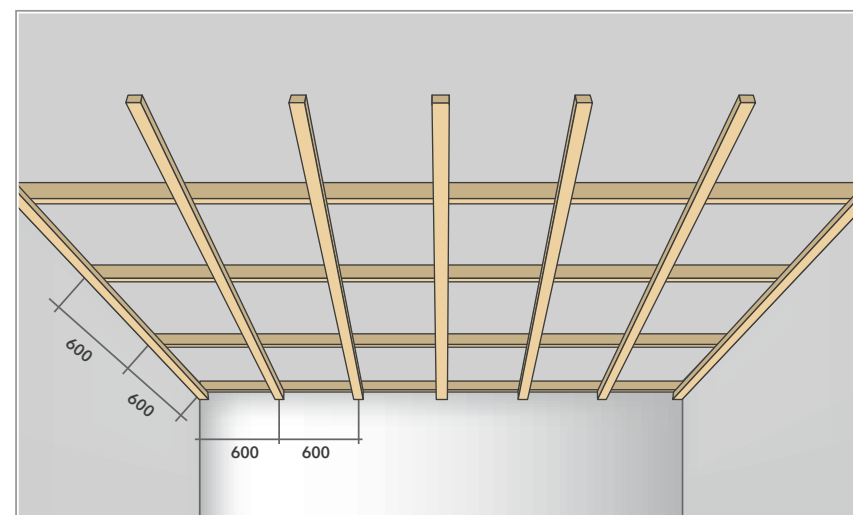


Fig. 3.2. Wooden rail frame

## 4 Panel Installation

Installation of panels starts from the center of the frame. Self-tapping screws must go 2-3 mm into the panel (Fig. 4.1).

Minimum spacing from the corner of the panel is 15 mm on each side to avoid possible chips during mounting (Fig. 4.2)

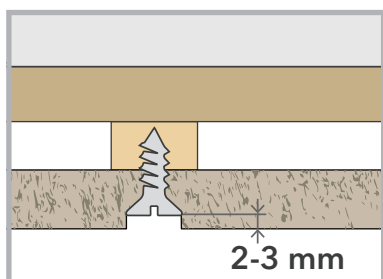
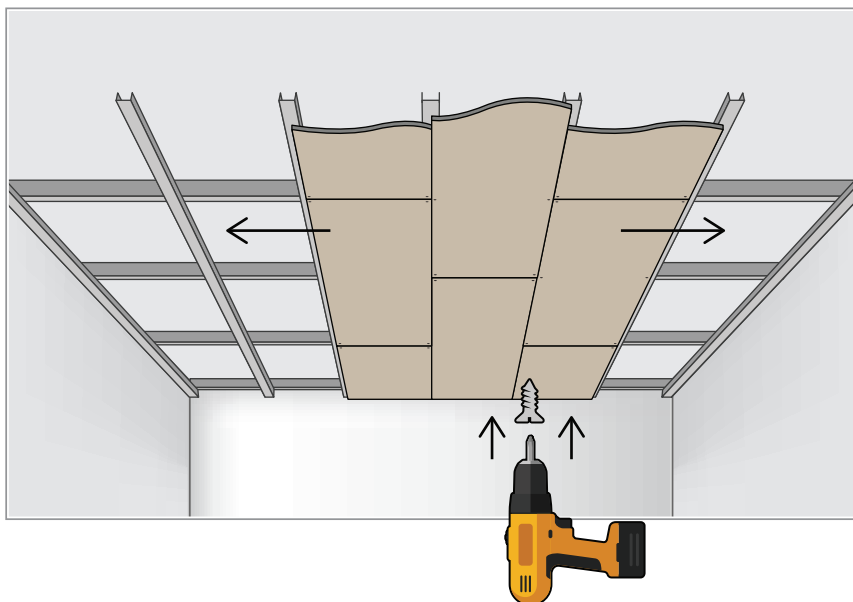


Fig. 4.1.

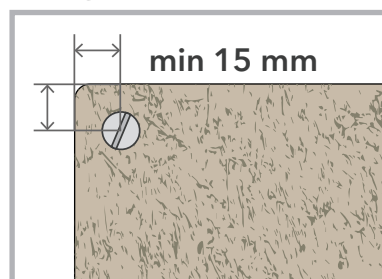
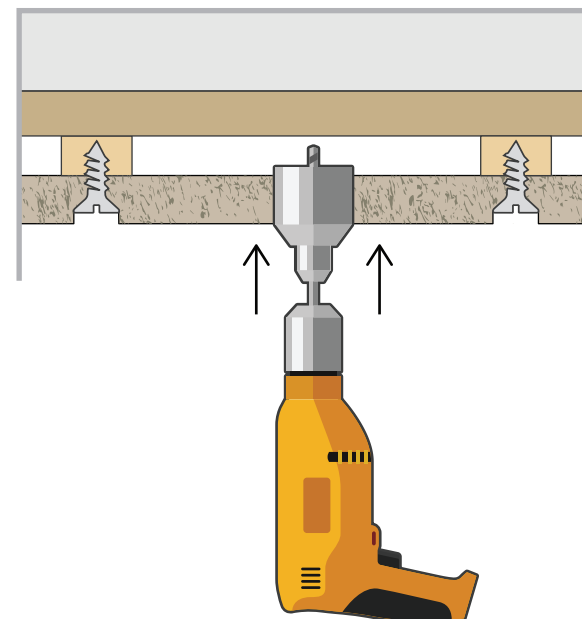


Fig. 4.2.

## 5 Preparing a hole for a light fixture or a socket

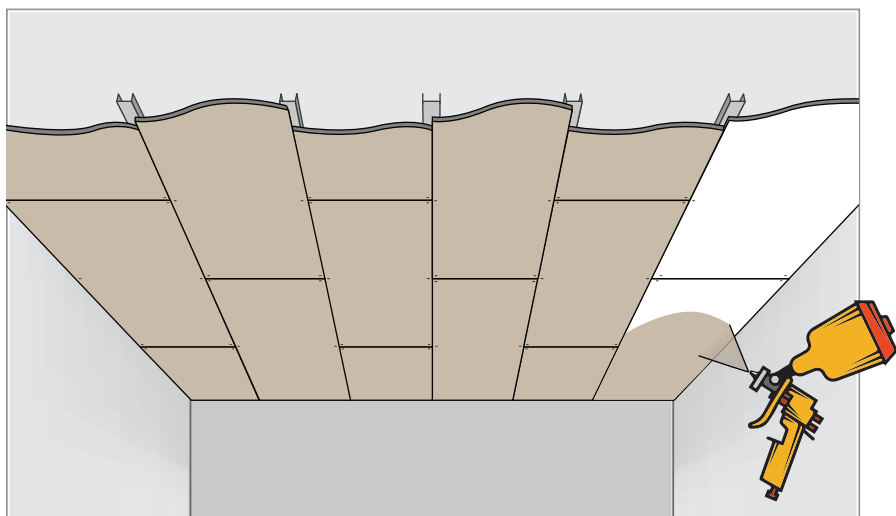
Cut holes at high speeds for light fixtures or sockets using bits for wood.

Touch up with paint if chipping occurs (see step 1)



## 6 Painting the Panels

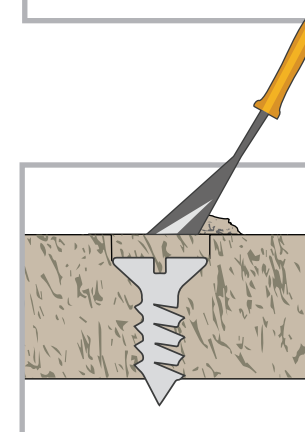
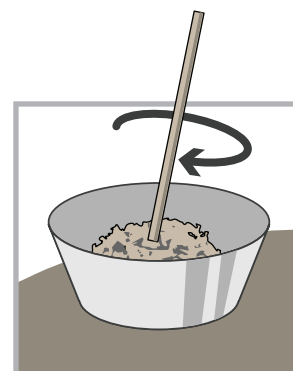
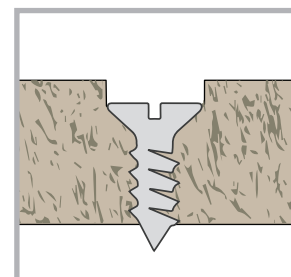
It is recommended to paint the panels after they are installed. Use a spray gun and apply several layers of water-based paint for an even coating of all fibers. Do not use a brush or roller for painting the panels.



## 7 Applying Putty over Self Tapping Screws

Crumble the panel leftovers (pieces left after trimming) to make powder-like substance. Add the paint supplied with the panels. Mix thoroughly.

Use the resultant paste to fill a hole formed when the screw was tapped in. Avoid smearing the putty over the screw holes.



**SOUNDEC** PANELS  
ARE AN EXCELLENT  
CHOICE FOR EMBODYING  
THE BOLDEST IDEAS  
IN INTERIOR DESIGN.

**IMPORTANT!** Following these instructions precisely will  
guarantee a beautiful high-quality result.

