# Installation and Care Instructions – *compact version*
# Acoustic panels
# Acoustic Sense / Acoustic Sense WOOD

You have chosen acoustic panels from Meister-Werke Schulte GmbH. Thank you for your trust and congratulations on buying a high-quality product. Our specialists' many years of experience combined with modern manufacturing technologies add up to a quality product made in Germany.

In these installation and care instructions, we have compiled for you the most important information on installing and storing the product.

Please be aware when planning that the acoustic panels are only suitable for indoor use. When installing in humid rooms, do not expose the panels directly to splashing water. Acoustic Sense WOOD is not suitable for installation in humid rooms.

## Preparatory measures

**It is important to acclimatise the panels before laying them. You can do this by storing them for approx. 24 hours in the centre of the room they will be installed in.** Do not store the packages in front of damp or freshly wallpapered walls. Before you install the panels, the conditions must comply with the general requirements for the installation of wooden materials in interior rooms. To this end, make sure that the walls and ceilings are dry, i.e. that they contain a maximum residual moisture of 5%. All windows and doors should also have been installed and a room temperature of approx. 20°C and approx. 50–60% relative humidity must prevail. **(Fig. 1).**

Before installing, check all panels in daylight for recognisable faults in colour and structure (Acoustic Sense WOOD panels have a real wood surface; differences in colour and structure are a sign of authenticity). Goods already installed cannot be claimed for later. It is also important during installation that you allow a gap of at least 5 millimetres for an expansion joint next to all walls and other fixed elements (12 mm when using the angled cover moulding). If your installation surface is longer or wider than 10 metres, you will also need an expansion joint within the floor surface area. This is created using a 5-mm shadow joint **(Fig. 2 + 3).**

## Possible uses

Since the panels are only suitable for indoor use, you should also refrain from using them in home conservatories or skylight linings, due to the high incidence of sunlight and the associated temperature fluctuations. Do not expose the panels to long-term temperatures of over 110° C (e.g. directly behind fireplaces). **(Fig. 4 + 5).**

## Installation in humid rooms

**(Acoustic Sense WOOD is not suitable for installation in humid rooms)**

When installing panels in humid rooms (e. g. bathrooms), the following points must also be observed: The panels are not suitable for use in areas directly exposed to splashing water (such as showers or home swimming pools). It is essential to ensure that air can circulate behind the wood panelling. If necessary, create a batten backing structure as a substructure, so that no trapped air accumulates **(Fig. 6 + 7).**

### Modifying the panels

The panels can be cut to size in the joint areas (felt) using a utility knife **(Fig. 9).** To avoid damaging the surface, be sure to note the following when sawing the elements: The decorative side should be face up when using a bench saw or face down when using a jigsaw or hand-held circular saw. Please avoid any silicone products coming into contact with the panels **(Fig. 10 + 11).**

## Installation

The acoustic panels can be applied vertically or horizontally, as preferred, using the following options **(Fig. 12).**

## Wall installation using bonding

**Note:** Bonding of acoustic panels is only suitable for walls and not for ceiling installation **(Fig. 13).**

The subsurface must have sufficient load-bearing capacity. The surface must be clean, dry, smooth, level and free of dust and grease. Before installation, remove any nails, screws, staples, etc. and residues of old wall coverings from the surface. Make sure that any irregularities in the surface have been smoothed out. **If in doubt regarding the load-bearing capacity of the wall surface, always install construction boards (conventional drywall) before installing the panels. Our technical customer service will be happy to assist you with any questions (Fig. 14).**

We recommend using an SMP-based construction adhesive to glue the acoustic panels. The adhesive is applied to the back of the panels in dots or in wavy lines. **(Fig. 15).**

Start by installing the first complete panel in the left-hand corner of the room with the decorative strip facing the wall. When doing so, leave a gap of 5 millimetres from the wall all the way around (12 mm if using the angled cover moulding) **Fig. 16).** Level the acoustic panels using a spirit level and firmly press them onto the wall. **(Fig. 17).** Lay the next panel with the decorative strip covering the joint **(Fig. 18)** and firmly press it onto the wall. Continue laying row by row in this way. Trim the last panels in every row so that there is a gap of at least a 5 millimetres from the wall (12 mm if using the angled cover moulding). To cover the all-round expansion joints and enhance the overall aesthetic appeal, use the angled cover moulding. **(Fig. 16).**

## Wall and ceiling installation with wooden battens

Acoustic panels can be installed on walls and ceilings using wooden battens. **(Fig. 19).**

**Note:** Acoustic Sense WOOD only suitable for wall installation.

Start with the sub-structure, installing dry, single-side planed battens if possible with a minimum cross-section of 24×40 millimetres. The battens should be spaced no more than 40 centimetres apart (for Acoustic Sense WOOD, no more than 35 centimetres) **(Fig. 20 / 20.1).** The battens must be installed crossways to the panel length and fixed so that there is an even substructure. Please use suitable plugs or screws to screw the sub-structure to the raw ceiling or wall at intervals of 40–50 cm. Please note that under every end joint, there is a wooden batten to screw the acoustic panels onto **(Abb. 21).** Correct any slight unevenness in the wall/ceiling by placing small wooden wedges underneath the battens.

### Substructure with insulation for optimal sound absorption

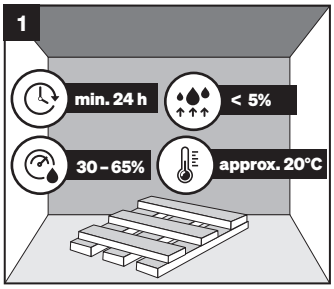
For optimal acoustic effectiveness, we recommend using battens with a cross-section of 40×40 millimetres and placing mineral wool between the battens **(Fig. 22 / 22.1).**

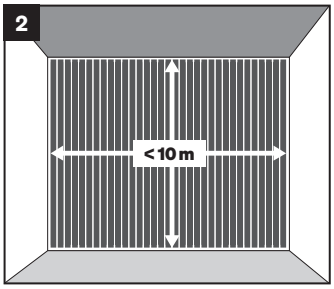
Start by installing the first complete panel in the left-hand corner of the room with the decorative strip facing the wall. When doing so, leave a gap of 5 millimetres from the wall all the way around (12 mm if using the angled cover moulding) **(Fig. 23).** Level the acoustic panel using a spirit level. The panels are screwed in using 4 × 30 mm mounting screws / drywall screws. The screws are screwed into the battens through the black felt. Place the screws in the two outer rows of joints and the central row **(Fig. 24).** You will need 24 screws per panel. For Acoustic Sense WOOD, the screws must be screwed into each panel as illustrated. **(Fig. 25 / 25.1).**

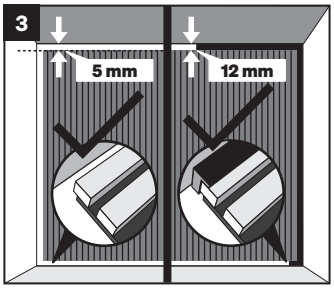
## Cleaning and care

Clean the acoustic panels occasionally with a damp (heavily wrung) cloth that has been previously washed in clear water. Do not use any scouring creams or powders, as these agents can damage the surface of the panels. The felt areas can be cleaned using a vacuum cleaner with a crevice tool attached **(Fig. 26).**

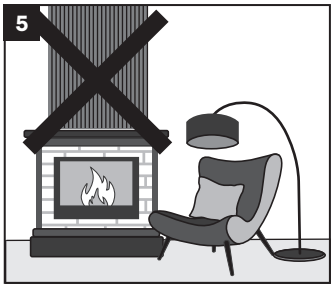
## Preparation

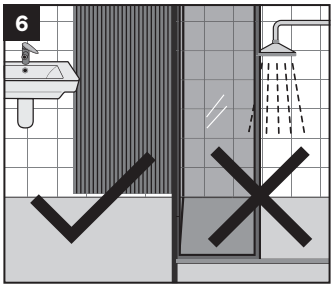


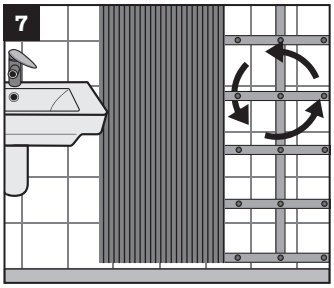



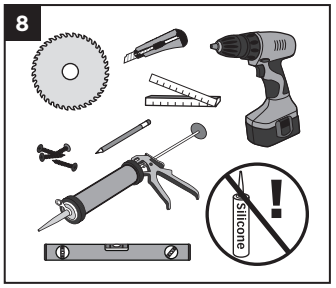





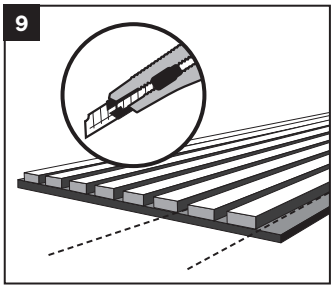


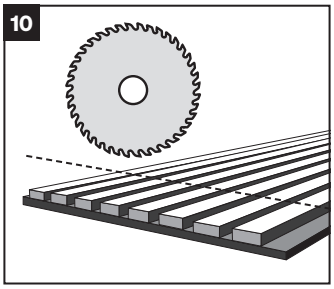



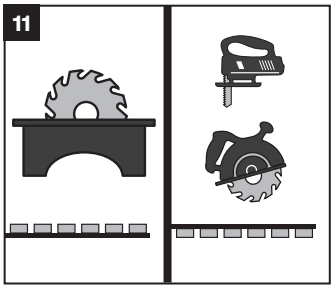



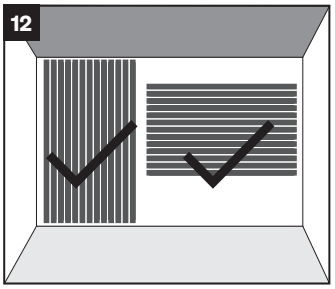




## Modifying the panels

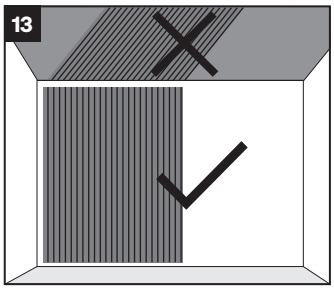


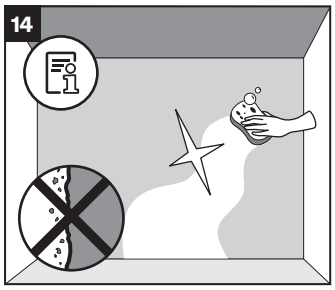



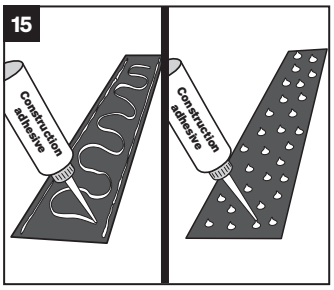



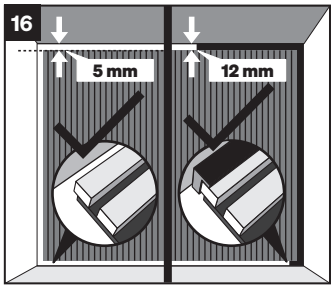



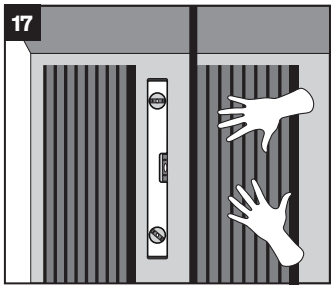

## Wall installation using bonding

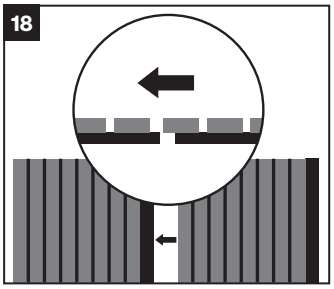


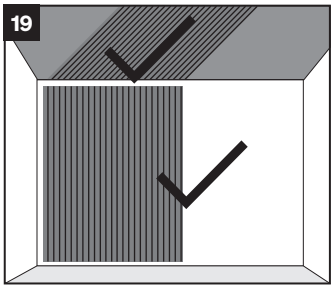



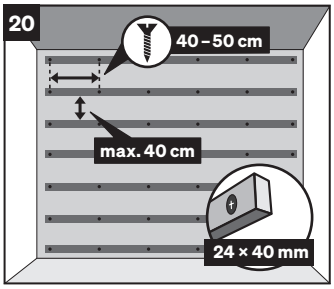



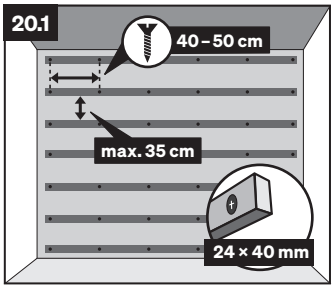



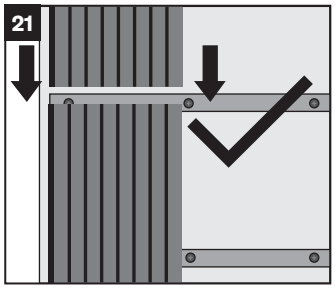



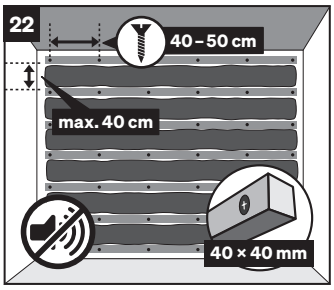
## Wall and ceiling installation with wooden battens

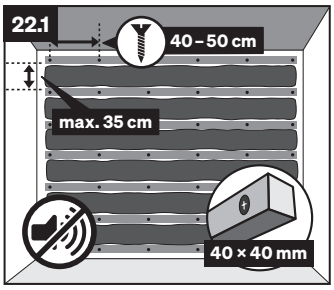


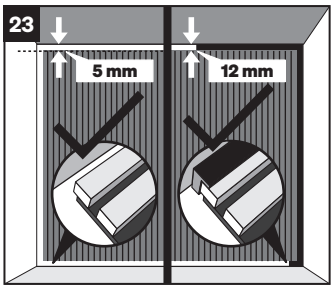



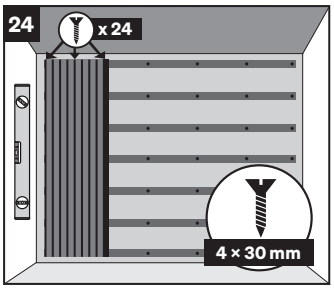



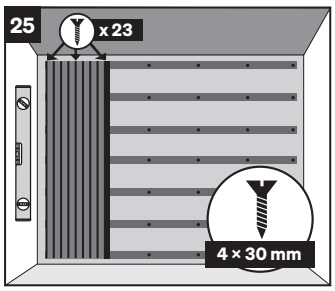



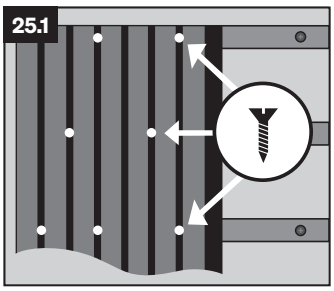



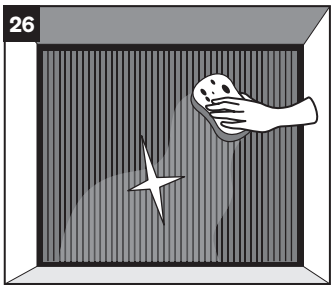




## Cleaning

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