

## AURE SAUNA PANELS - INSTRUCTIONS OF INSTALLATION

### User's guide - where to use these

Products, that are handled for saunas, can be used in saunas and in changing rooms.

### *Storage*

- Please store up these goods during 5 to 8 days in the folie packs, but out of the big bundles in the room, where these will be installed.
- Please storage on a straight and dry base.
- The max. temperature of the storage room is 24 degrees celsius and the relative air moisture content about 40 %

### *Preparations*

- Please read the assembly instructions carefully
- With the basic tools you can have a smart and polished outcome
- Please take care, that you have enough panels, because between different delivery parcels there might be slight shade differencies.
- It is good to check the panels before installing, because after installing you cannot claim.
- All remarks of the goods must be made before starting of the installation.
- The waste margin is about 10 %. This is depending if panels are end matched or not and how you install the panels.
- When nailing, please use 22 x 45 mm nailing lath.
- Because this is a product of nature, variations in moisture content as well as in temperature may cause transformations in measure as well as in structure. Wood is a hyproscopic material, so it aims always to a balance moisture content. Therefore between different parcels of panels there might be slight changes in the width. So therefore you must measure the width of the panels. In case there are some differences, you must first fasten the widest panels into wall or fasten all walls at the same time.
- When tightening the panels you can use a small part of panel as intermediate piece.

### *Underside*

- The base laths can be fastened vertical or horizontal.
- Please check the vertical line by a spirit level. Please check also, that the surface of the laths is in the same line.
- The thickness of the panel sets limits to the gap of the laths, the thinner the panel is the closer the laths. The nailing laths are normally installed in the intervals of 600 mm, but in the roof 400 mm. As nailing lath you can use a lath of 22 x 45 mm. The uneven and flexible the base is the thicker laths you must use.
- When installing panels in a wet room like bath room or sauna, under the panels there must be a ventilation space, which you must make with the laths. When having the laths horizontally, you must leave space or place the laths across each other.
- When installing panels in a stone wall, please note, that the thickness of the laths must be based on the length of the spike.

### *Fixing of wooden panels*

- The way of fixing depends on the used profile.
- You can fix a panel by hammer and nail, screw or dyckert-nailer or in some cases you can even glue the panels.
- We recommend nails, that are 2.5 to 3 times thicker than the panel.
- You must nail the panels into the laths. You can use screws also. Please drill the holes in the panels beforehand. In case the width of the panels are more than 120 mm, please use two nails or screws for each fixing.
- You can also fix the panels by using the hidden nailing from tongue or groove, depending on the profile. If fixing the panel on the groove by using a staple nailing, please fix the staple crosswise in order to guarantee the fixing. Please install the pressure of the kompressor so that the nail does not go too deep.
- In some part of the AURE-panels there is a profile for the hidden nailing. It is on the upper side of the tongue.
- When having end matched panels and in case the point is not where the laths are, we recommend the using of glue.

### *Fixing of panel into wall*

- Have a look where the base laths will be as well as the distance on the wall. Have also a look where electric wiring is. Leave about 50 mm gap between the most upper and the most bottom lath as well as between floor and wall. This is because if you will nail a panel too close to the end, it might broken.
- When fixing vertically you must start on the outer edge, if there is, if not, then on the inner edge. You must work from left to right. Check the vertical line every now and then with water balance.

- When fixing horizontally you normally must start from the bottom so, that the tongue will be upside. So that it is straight, please check by a water balance. When finishing,, let about 10 mm space from the wall.
- In a wet room you must take care of the ventilation between the panels and the wall.

### *Fixing of panel into roof*

- The distance between the laths about 400 mm
- In a wet room take care of the ventilation between the panels and the roof.
- Remember to leave a lot of space for the electricity works.
- In case you will have wooden panels both in the roof as well as in the wall, it is better to fix the roof first.
- Leave about 10 mm moving space betwden the panles in the roof and in the wall.

### *TO REMEMBER*

- Please have a look, that the work is going in a straight line.
- In case the area you are fixing with the panels, is not in a cross measure, you can increase the gab between the panels in one end by 1 mm per panel, so can you level the difference.
- In whitewood the knot is always having a shake.
- In case you are using a nailing machine, we recommend you to ask expert advice.
- When fixing panels over 120 mm, please use two nails per a running meter.
- When fixing panels into a stone wall, please note, that length of the nail must be based on the thickness of the lath.
- When fixing the panels in a sauna and having a panel wider than 120 mm, we recommend the fixing from above.