

Assembly of panels

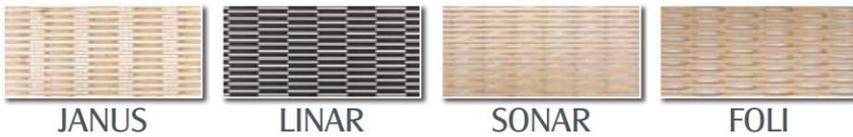
General information

If you use our dukta® flexible wood design and acoustic panels, a few points need to be decided in advance:

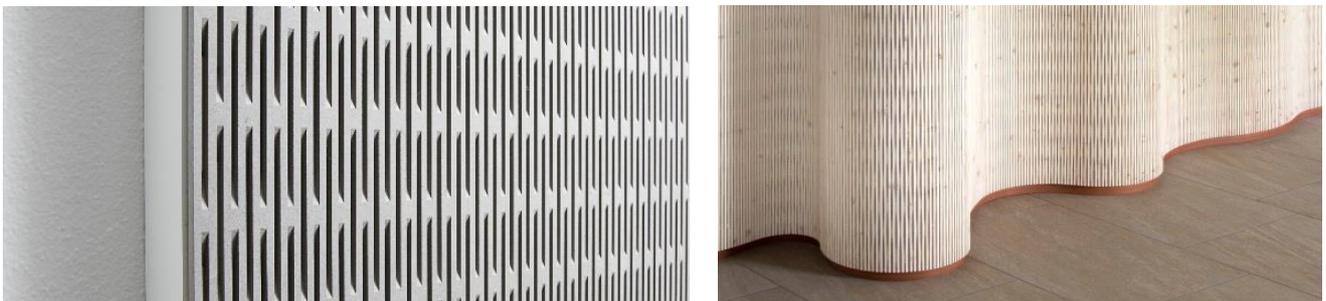
a) Planning of the installation location (wall, ceiling, or corners) or use as a freestanding element (for example, partition).



b) Selection of the incision type and material (in association with the panel thickness)



c) Deciding on a flat or corrugated mounting



d) Decide whether the design should be made with a distinctive frame (e.g. DU.AL01, DU.AL07)

or with a discreet frame („frameless“ with DU.AL03, DU.AL05).



Assembly of dukta® flexible wood panels step-by-step instructions on the example of a corrugated wall mounting

1. Preparation

material required:

dukta®-Panels

Arches DU.AB01-707, DU.AB01-357 or DU.AB03-700, DU.AB03-350

Straight rods DU.AL01 or DU.AL03

Substructure DU.ML07

Metal rods DU.ML40 (only possible with LINAR, SONAR or FOLI)

tools:

Commercially available woodworking machines such as circular saw (hand circular saw) or jigsaw, in addition, a cordless screwdriver, screws, dowels, spirit level, if possible, if possible, a compressed air nailer for direct attachment of the panels.

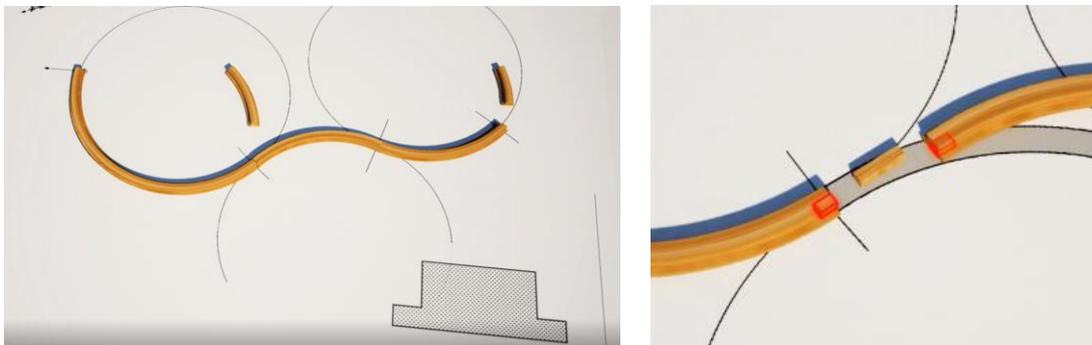
backfill:

If acoustic backing is desired, we recommend rock wool or acoustic foam for optimal absorption.

2. Substructure:

a) prepare arched elements

Cut the sheets and connect them with round or flat dowels to an arch element as desired.



Tipp:

Depending on the height of the room or the area to be built in, equally shaped arch elements must be constructed which are spaced at a distance of approx. 60-80cm to support the dukta® panels. (e.g. 1 panel height, at least 4 levels in the substructure).

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In the middle arch elements, the rabbet must be cut off. (marked red in the sketch below). At the top and bottom level, the groove remains.



Thereafter, the vertical joining of the arch elements is by means of mounting strip DU.ML07

b) Wall Substructure

Mounting strip DU.AL01 or DU.AL03 as ending for the outer sides as well as DU.ML07 for the inner grid vertically and horizontally fastened to the wall by means of screws and possibly dowels (which are suitable for wall material).



Fixing of the prefabricated arch elements to the wall substructure.



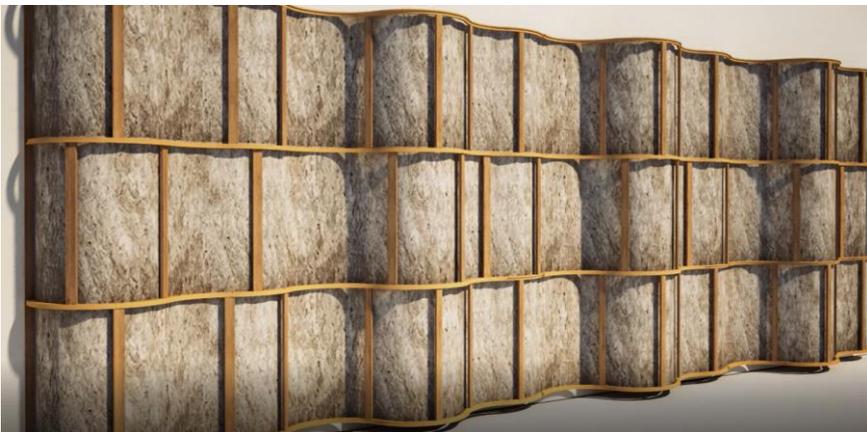
Attach using direct screws, brackets or dowels.

When using the metal mounting strip DU.ML40 on the middle levels, please note that the top row is not yet screwed tight in order to have a clearance for the panels which are mounted at a later stage.



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The next step is now the optional introduction of absorbent material (backfilling) such as rock wool. In this case, we recommend applying an acoustic fleece on the back of the dukta® panels, alternatively it is possible to order the dukta® panels including applied acoustic fleece (in black or white) from us.



Attach the flexible metal strip DU.ML40 to the middle arch elements with screws. Ideal screw diameter: 3.5mm At the top and bottom levels (where the fold is retained), the DU.ML40 is not attached.



Tipp:

Instead of the mounting strip DU.ML40 you can alternatively fix the panels, e.g. with headless pins on the arch.

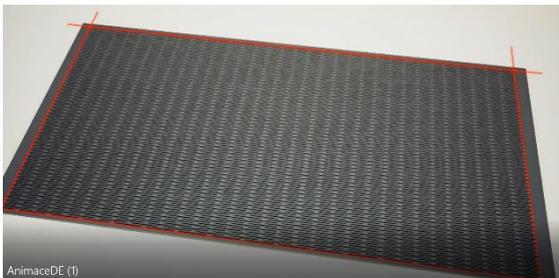


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3) Preparation and assembly of the dukta®-panels

a) Cutting the panels to the desired size.

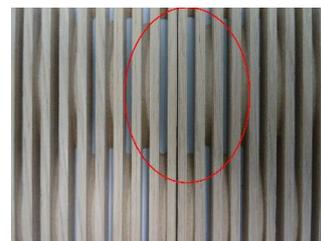
The circulating edge, which is part of the production and transport protection, must be removed so that the panel can be bent. (Attention with the longitudinal sections, so that the milling pattern runs over the panels, or in the case of larger / higher surfaces, also take the cross section into consideration).



RIGHT



WRONG



b) Attaching the panels

For whole panels, we recommend 2 people hang them. When using the arches DU.AB03, the panels should be finally attached to the highest and lowest arch by means of headless pins.



Tipp:

Use a duster or vacuum cleaner to clean the panels.