

Maintenance, processing, assembly and technical properties of

STEPWOOD®

Stepwood® is the new design panel of KOLAR. Individual wooden slats made of high quality solid wood are placed in a staggered arrangement in order to create a special 3D-effect.

MAINTENANCE

Clean the panels with a damp cloth, then wipe dry. Please make sure that the cloth is free of abrasive contaminants. Persistent dirt is to be removed with mild detergents. Please do not use abrasive, alcohol-based and solvent-based detergents. For Stepwood® with brushed surface, we recommend cleaning with a simple feather duster.

PROCESSING

Machining:

Stepwood® panels can be processed, cut, milled, drilled and sanded using standard tools for wood. Use new or well-sharpened tools. High cutting speed and quick cutting sequence should be avoided. Stepwood® panels are delivered finished (lacquered). If purchasing unlacquered panels, please consider to lacquer the panel on both sides. We also recommend a drawdown (trial lacquering).

Storage:

Cover and store horizontally in a cool and dry environment on a solid, even and clean surface. Do not expose to direct sunlight!

Substrate:

The substrate surface must be dry and sufficiently load bearing. For assembly use the appropriate mounting material.

Environmental impact:

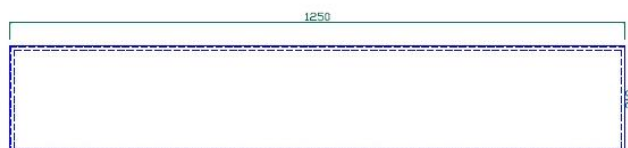
Dispose properly according to the local regulations. Do not burn!

TECHNICAL PROPERTIES

Panel size:	width 219 x length 1250 mm (1 piece = 0,274m ²)
Types of wood:	oak, walnut, oak brushed, spruce brushed
Surface:	matt lacquered (raw surface available)
Supporting material:	6mm MDF
Weight:	approx. 2,5 kg per panel
Packing unit:	5 panels (=1,37m ²)



Packaging



Color and structural differences distinguish this material and enhance the overall appearance of this design panel. The name Stepwood® is a registered trademark.

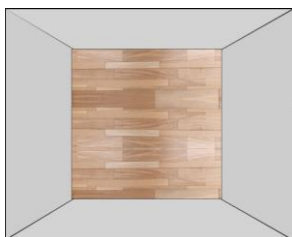
ASSEMBLY

Stepwood® is suitable for use in interior design. The assembly of Stepwood® depends on the application and number of panels. The panels can be glued or bolted on dry and clean surface.

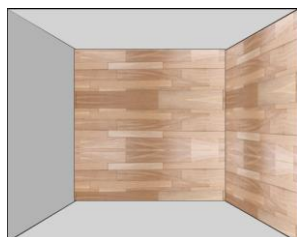
PLEASE NOTE: Stepwood® must be stored unopened and on even surface for at least 48 hours before assembly in room of application, so that panels acclimatize to indoor climate.

PLANNING

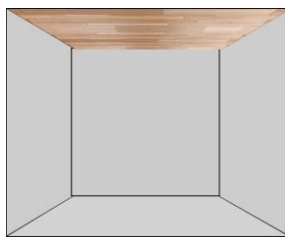
The application of Stepwood is possible:



on one wall



on adjoining walls



on the ceiling



on wall and ceiling



Stepwood® panels can be assembled **horizontally** or **vertically**. The assembly instruction is designed for the horizontal arrangement of the panels. For vertical assembly use the mounting material in opposite orientation.

ASSEMBLY WITH GLUE

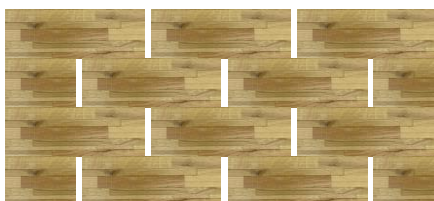


When mounted with glue, we recommend using permanent elastic adhesive glue which is suitable for MDF and the respective surface. Place connecting claws (see Stepwood® mounting accessories) between the panels.

ASSEMBLY WITH STEPWOOD® MOUNTING ACCESSORIES

Mounting is performed using a metal claw on a **wooden sub-construction**. Every Stepwood®-panel is grooved on all 4 sides for the application of **metal claws**. If necessary we offer suitable **skirt mouldings**.

Especially when mounting to the inside of outward walls, we recommend ensuring sufficient ventilation.



In case of wide application note that the panels are placed in a staggered arrangement.



STEPWOOD® MOUNTING ACCESSORIES

We also offer the following mounting material. One claw-set corresponds to one packing unit of Stepwood® panels (5 pieces). One moulding-set corresponds to a room heights of 2.500mm (approx. 12 panels stacked). On demand we can also deliver mouldings in continuous length of 2.500mm (instead of 1.250mm per piece).



Stepwood®- mounting profile (spruce 50 x 20 mm) Fig. = profile	Stepwood®-skirt moulding (wood of panel, 33 x 8 mm). Fig. = profile	Base claw incl. nails	Connecting claw incl. nails and wooden tongue	End claw
Moulding set		Claw set		
6 pcs. length 1250 mm	4 pcs. length 1250 mm	3 pieces	20 pcs. + 10 pcs.	3 pieces

Furthermore you need:



- Standard **screws and plastic screw anchors** for the mounting profile, adjusted to the substrate



- Small **brads** for the skirt moulding, glue may be used alternatively



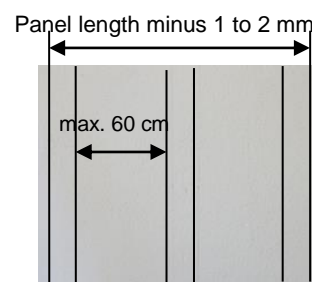
- **Tools:** power drill, cordless screwdriver, spirit level, hammer, pencil, saw for cutting the panels or the skirt moulding. A nail driver may be used to facilitate assembly of small brads

STEPS OF ASSEMBLY

Step 1

Mark the wall for the mounting profile.

Place mounting profiles with a maximum space of 60 cm between them. Plan the distance between the first and last mounting profile (length of panel minus 1-2 mm).



Step 2

Connect **mounting profile** and shorten it to the appropriate length. Fix with screws and plastic screw anchors to the wall.

Even out imperfections in the wall with suitable underlays (e.g. wooden slats).



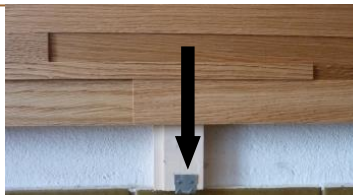
Step 3

Hammer the **base claws** into the mounting profile. Pay attention to the horizontal straightness of all base claws (all base claws in a horizontal line).



Step 4

Insert the **first panel** into the base claw and use the spirit level to check if the panel is even.



Step 5

Plug the **connecting claw** into the groove of the panel and hammer into the mounting profile. For easy assembly use nail driver in order to avoid damages on the panel.



Step 6

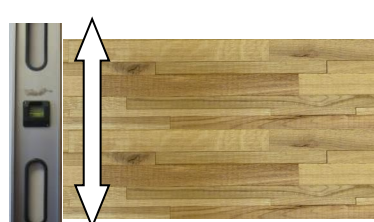
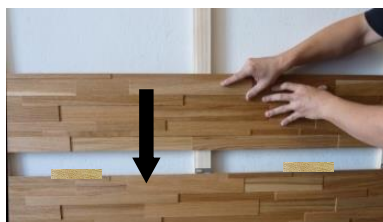
For a better stability of the panels insert a **wooden tongue** between the connecting claws.



Step 7

Insert the **next panel** and all the remaining panels except the last one according to step 5 and 6.

Be careful about the vertical orientation of the panels (see picture on the right)



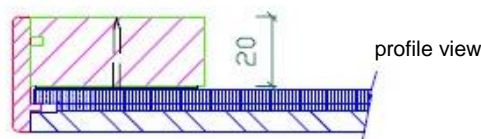
Step 8

Cut the last panel to the desired width and fix it to the mounting profile with **end claws** or alternatively with small brads from the front side.



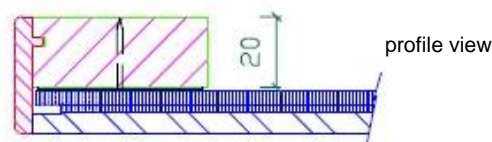
Step 9

Insert the **skirt moulding** (red in the picture) into the groove of the panel (blue in the picture) and fix with nails and/or glue in the groove.



Additional info:

If you shorten the length of the panels (which removes the groove from the panel), use the groove of the mounting profile (green in the picture) for fixing the skirt moulding (red on the picture).



Additional info:

In case of application to larger walls create a connection between the panels. The groove on the shorter side of the panel provides a mounting for the connecting claw.

