

Expand Your Window sill

Material, Tools, Construction Tips

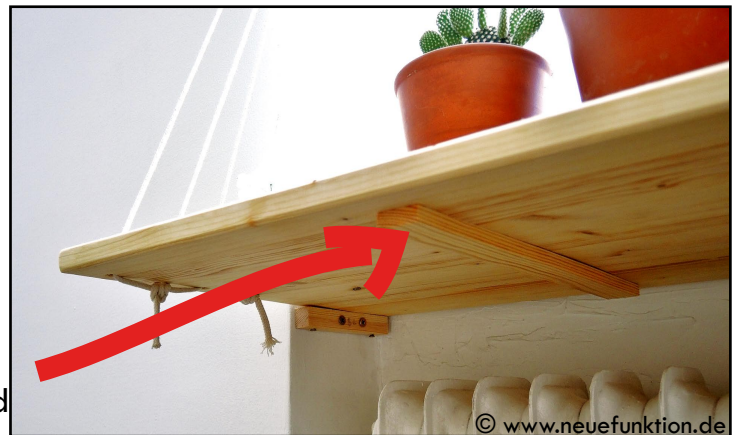
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Material customizable

- **1 board**, here: spruce, **1,8 cm thick, 40 cm wide, length individually measure up!**
- **3 pieces of wood** to stabilize the board, each **1 cm x 3 cm, 34 cm long**, distances between the pieces of wood evenly on length of the board distribute, Tip: Divide the length of the board by 4, then you have the distance, connection to the board with wood glue. **Alternatively, you can take a thicker board. Then you do not need these 3 pieces of wood.**
- **2 pieces of wood** for fixing with the board & with the wall in one, each piece **2 cm x 2 cm, about 14 cm long**, drill into each piece of wood **2 horizontal holes** each with wood drill No 5 for the connection in wall with: 2 dowels (Fischer UX 6x35) and 2 screws (5 x 60 mm)



In order to determine the position of the holes, it is helpful, in advance to check the concrete wall surface with a detector for metal and power lines. Because there are often metal angles on wall corners that you should not drill into. That's why I've done the holes more inside.

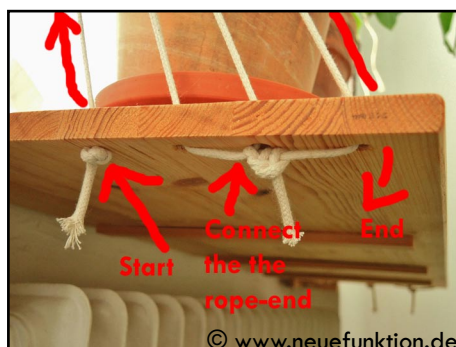
Additionally are to drill 2 vertical holes in these pieces of wood which fix the board upwards. Use here wood drill No 4 for 2 screws 4 x 40.

If you doesn't put on the windowsill heavy flowerpots or other heavy things, it doesn't need this vertical drilling step.

- **2 pcs round rod, diameter 1 cm, about 8 cm long for fixation in the left and right window inner wall:**
central wood hole with wood drill No 4 for connection in the wall with: 1 dowels (Fischer UX 6x35) and 1 screw 4 x 40, each drilling in approx. 64 cm wall height
- **Cotton rope, diameter 4 or 5 mm, Length left approx. 3.40 m & right 3.40 m**
You drill 4 holes left & rightsides in the board (wood drill No 7), inner hole distance about 5 cm & 1 hole for wall attachment approx. 64 cm height (wood drill No 6)



Winding method cotton rope



List of dowels, screws, tools

- 6 dowels, Fischer UX 6x35
- 4 screws 5 x 60
- 6 screws 4 x 40
(without vertical holes
only 2 screws 4 x 40 are necessary)
- Wood drill No. 4,5,7
- Stone drill No. 6 for all holes in the wall
- Drilling machine
- Screwdriver
- Hand saw
- Optional: countersink. All holes in wood can be reworked or lowered with a countersink, then the screws sit flat.
- Sandpaper for deburring the holes and edges on the wood
- Wood glue and something to complain like books (alternatively, take thicker board, then you do not need wood glue)
- Tape measure, pencil, work cloth on table and work surface e.g. old board for drilling
- Metal detector

Have fun building & even more fun
when using as a flower bank, desk ...!
Feedback to: info@neuefunktion.de

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Sybille Kessler

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