

No. 311

## Sanding profiles with the LS 130 kit



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### Description

Profiles of different kinds can be sanded easily and perfectly with the linear sander DUPLEX LS 130 EQ. A job that once had to be done laboriously by hand can now be done with the convenience of a power sander. Not only that, the linear sanding motion ensures a clean sand without cross-grain scratches. Since manual sanding is also done with a linear sanding motion along the grain of the wood, the DUPLEX LS 130 EQ linear sander is the only sander which corresponds exactly to the action of manual sanding. This is especially advantageous when you want to stain the piece later. In this example, we explain in detail how you can easily create the right sanding pad for almost any profile yourself with the DUPLEX LS 130 EQ linear sander and its DIY kit.



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## B Tools/accessories



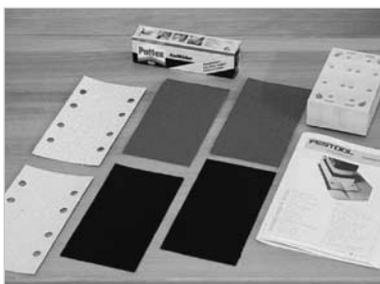
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The following tools and accessories are used in this application example:

| Name                                      | Order No. |
|---|-----------|
| Linear sander DUPLEX, LS 130 EQ-Plus 240V | 567811    |
| DIY kit, SSH-STF-LS130 Kit                | 490780    |
| CT series mobile dust extractor           | *         |

\* Please obtain the Order No. from the Festool main catalogue or from the Festool website.

## C Preparation/set-up



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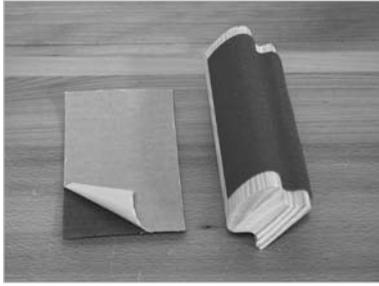
The DIY kit for creating your own customised profile sanding pad contains the following parts:

- 1 sanding pad blank
- 2 self-gluing fastening sheets (red)
- 2 fastening sheets (black)
- 1 tube of contact adhesive glue
- 1 sheet of sandpaper, Brilliant 2 P 60
- 1 sheet of sandpaper, Brilliant 2 P 120
- Instructions

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## Procedure

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Cut off a section of the profiled member which you want to sand with the DUPLEX LS 130 EQ linear sander. Now stick the self-gluing red fastening sheet onto the profile. Be sure to press the fastening sheet firmly onto the profile and make sure it follows the profile shape precisely. You can only get good gluing results if the profile surface is dry and free of grease and dust.

Then fasten the Brilliant 2 P 60 sandpaper on the fastening sheet. Here too you must press the sandpaper very carefully onto the fastening sheet, following the shape of the profile. The more precise you are when doing this, the more precise your profile sanding pad will be later.

With particularly deep profiles like this handrail profile, you should first cut out a rough approximation of the profile with a hand saw. To do so, simply place the section of profiled wood against the end of the sanding pad blank and trace the outline onto the blank with a pencil. When sawing, it is better to leave too much uncut than to cut too much away.

Then take the sanding pad blank and fasten it onto the DUPLEX LS 130 EQ linear sander. Connect the tool to a dust extractor and set the speed level to 6. Now switch on the DUPLEX LS 130 EQ linear sander and place the sanding pad blank on the sandpaper with a minimum of pressure. Carefully sand the profile completely into the sanding pad blank. To give the blank the precise shape of the profile, keep the tool as stable and straight as possible. It is also advisable to clamp the profiled piece firmly in place during this work.

Replace the Brilliant 2 P 60 sandpaper with the finer P 120 paper and sand the profile finely once more to finish. This gives you a particularly even and precise mirror profile in the sanding pad blank.



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Take the blank off the DUPLEX LS 130 EQ linear sander again and fully coat the entire finished profile and the smooth side of the black fastening sheet with contact adhesive glue. Then allow the glue about 15 min to flash off until "touch dry"; in other words, when the glue no longer sticks to your fingers the solvent has evaporated completely and the glue is ready to use. Then (and only then), starting from the side, glue the black fastening sheet onto the sanding pad blank and press it evenly and precisely into the profile shape. Proceed with great care because once the parts come in contact they cannot be moved again.

**Note:**

What matters for the strength of the glue bond is the application pressure and not the duration of application.



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Next, use a pair of scissors or a utility knife to cut off the overlapping part of the fastening sheet until flush with the sanding pad blank.



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Finally, carefully drill the dust extraction holes from the back of the sanding pad through the fastening sheet. Make sure that the fastening sheet is drilled properly all the way through.



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Now you can fasten Festool StickFix abrasives of the desired grit to your finished sanding pad and sand your handrail profiles with no effort at all.

**FESTOOL**

Our application examples are recommendations which have been tried and tested in practice. However the actual conditions pertaining in each situation are completely outside of our control. We therefore do not provide any form of guarantee. Legal claims against Festool cannot be derived from the contents hereof. Please observe without fail the safety and operating instructions included with the product.

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