

No. 431

Renovating window shutters



A

Description

Window shutters on house façades are exposed to extreme environmental impacts as a result of climatic conditions and must be renovated again and again. The damage done to individual window shutters on a building is often very varied.

- Heavy weathering and paint damage on the weather and sunny side.
- Lighter surface weathering on the protected sides of the building.

Problem:

The right sander and abrasive must be selected for light sanding and sanding down of the paint area in the narrow gaps between the lamellae.



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B

Tools/Accessories

You need the following tools and accessories for sanding wooden doors:



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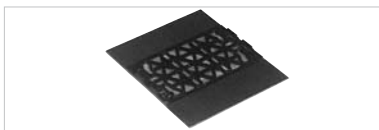
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Designation	Order No.
1. Light surface weathering of lamellae:	
RUTSCHER RS 300 EQ Plus orbital sander [see Fig. 431/2]	567488
Sanding pad StickFix SSH-STF-L93x230/0 [see Fig. 431/3]	486371
Abrasive sheets Brilliant 2 STF-93X178/8-P 120-BR2	492915
Alternative:	
Linear sander DUPLEX LS 130 EQ Plus [see Fig. 431/4]	567750
Lamellae sanding pad long SSH-STF-LS130-LL195 [see Fig. 431/5]	491861
or	
Lamellae sanding pad wide SSH-STF-LS130-LB130 [see Fig. 431/6]	491862
Sanding disc Granat 2 STF-80x133/14-P40-GR	497117
Mobile dust extractor from the CT series [see Fig. 431/11]	
2. Heavy surface weathering of the lamellae:	
Triangular sander Deltex DX 93 E-Plus [see Fig. 431/7]	567737
Sanding disc Saphir STF-V93/6-P 40-SA	487516
Sanding disc Saphir STF-V93/6-P 60-SA	487517
Slat sanding pad, SSH-STF-V93L/6	488036
Alternative:	
Eccentric sander ROTEX RO 125 FEQ Plus [see Fig. 431/8]	571533
Lamellae sanding pad LT-STF D150/RO125 [see Fig. 431/9]	492129
Sanding discs Saphir STF-D150/16-P 36-SA	496625
Sanding discs Saphir STF-D150/16-P 50-SA	496626
Sanding discs Granat STF-D150/16-P 80	496977
Sanding discs Granat STF-D150/16-P 100	496978
Sanding discs Brilliant 2 STF-D150/16-P 80	496587
Sanding discs Brilliant 2 STF-D150/16-P 100	496588
Sanding discs Granat STF-D150/16-P 180	496981
Sanding discs Brilliant 2 STF-D150/16-P 180	496591
Mobile dust extractor from the CT series [see Fig. 431/11]	

Tip: For new generation paint/clear coats (VOC) the wood must be prepared first using grit P180.

3. Sanding of heavily weathered frames	
Eccentric sander ROTEX RO 150 FEQ Plus [see Fig. 431/10]	571570
Sanding discs Saphir STF-D150/16-P 80-SA	496627
Alternative:	
Eccentric sander ROTEX RO 125 FEQ Plus [see Fig. 431/8]	571533
Sanding discs Saphir STF-D125/90-P 80-SA	493127
Mobile dust extractor from the CT series [see Fig. 431/11]	

Alternative abrasive to Saphir:

- Cristal
- Granat



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E

Procedure

a.) For light surface weathering

Using the RUTSCHER RS 300 EQ orbital sander and the slat sanding pad or the linear sander DUPLEX LS 130 EQ with lamellae sanding pad long/wide, one obtains an optimal sanding result when carrying out light sanding of the lamellae and window shutter frame. Alternatively the ROTEX in fine sanding mode or the DX 93 with a lamellae pad can be used.

RUTSCHER RS 300 EQ:

- Mount slat sanding pad
- Set the speed to level 6.
- Position abrasive sheets Brilliant 2 P 80 on the front area of the lamellae pad.

Tip: By turning over the abrasive sheets Brilliant 2 P 80 to the front edge of the lamellae pad the rear of the respective lamellae can also be sanded at the same time (see Fig. 431/12).

or

DUPLEX LS 130 EQ:

- Set the speed to level 6.
- Mount lamellae pad and position sanding disc Granat P 40.

Tip: By turning over the abrasive sheets Granat P 40 to the edge of the lamellae pad the rear of the respective lamellae can also be sanded at the same time (see Fig. 431/13).

b.) For heavy weathering and deep paint damage

Using the triangular sander DELTEX DX 93 E and lamellae sanding pad L-STF-93 V one achieves optimal sanding results right into the corners for targeted sanding of damaged paint areas down to the healthy wood.

- Connect extractor hose to DX 93 E.
- Set the speed to level 6.
- To achieve the optimal sanding result Saphir P 40 or P 60 sandpaper must be used.

Tip:

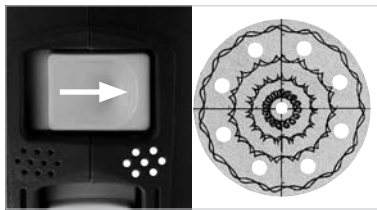
Constant checking of the abrasive for clogging prevents the development of heat and thus increases the life of the lining on the slat sanding pad. If the sanding disc in the front area wears down or is clogged, it can be turned 120° twice.



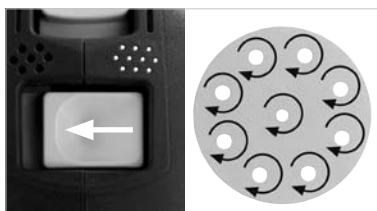
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c.) Very efficient processing of light and heavily weathered lamellae

Using the RO 125 FEQ and the lamellae sanding pad, light and heavily weathered surfaces can be processed very efficiently.

- Set the speed to level 6.
- Fit lamellae sanding pad LT-STF D150/RO125 on RO 125 FEQ.
- Set RO 125 FEQ to fine sanding.
- Use Saphir grit range
P 36 or P 50 for heavily weathered areas.
(Ø lamellae sanding pad = Ø sandpaper ROTEX® RO 150 FEQ).
- For light weathering use Granat grit range P 100 or P 120
(Ø lamellae sanding pad = Ø sandpaper ROTEX® RO 150 FEQ).
- In both cases refine the grit range until the desired surface quality is achieved.

Important: Do not use the RO 125 FEQ with the lamellae pad when performing coarse sanding! Risk of injury and damage.

- Process corner areas using the DELTEX DX 93 E with lamellae pad (see Fig. 431/14) and also work your way up in the grit range until the desired surface quality is achieved.

c.) Sanding the window shutter frame in the event of heavy weathering

The heavily damaged paint layer on the frame must be sanded off partly down to the wood. The Festool ROTEX RO 150 FEQ or ROTEX RO 125 FEQ are suitable for this. Both tools can be switched to coarse or fine sanding (see Fig. 431/17).

- In the "coarse sanding" setting (see Fig. 431/18) the damaged paint can be quickly sanded off using the Saphir P 80 or a coarser sanding disc.
- Then the area is briefly sanded again using the same sanding disc at the setting "fine sanding" (see Fig. 431/19) and an optimal surface for new paintwork is thus obtained.

Tip: Resanding can be performed using a sanding disc Brilliant 2 P 120 in fine sanding in order to obtain an even cleaner surface. For new generation paints and clear coats (VOC) the area must be finely sanded first. Here the abrasive with grit P180 is the right choice.

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Our example for use is a recommendation 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. Any legal claims arising out of this are not to be made against Festool. Please observe without fail the safety and operating instructions included with the product.

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