

no. 753

Oiling of heavily stressed surfaces in internal areas



A

Description

Natural surface treatment has become an indispensable part of contemporary furniture manufacture. More and more consumers and users are requesting compatible products to treat wooden surfaces in living environments. There is no substitute for the impressive natural look of oiled and waxed surfaces.

With the new SURFIX oil dispenser, Festool offers customers a clean, simple and ergonomic solution for oil application that is clearly more economical than using a brush or cloth.

Previously, Festool machines only had a reputation for the outstanding preparation and finishing of refined wooden surfaces.



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The Heavy-Duty, One-Step and Outdoor oil types cover almost all interior and exterior applications and are equally suited to light and dark wood. For ecological surface protection of the highest quality.

The following application example describes how to treat surfaces subject to major wear in interior applications using the SURFIX oil dispenser and Heavy-Duty oil.

Heavy-Duty oil was specially developed for surfaces subject to major wear, such as steps, worktops and dining tables, etc.



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B

Tools/accessories

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

Designation	Order no.
Oil dispenser SURFIX OS-SYS3 Set	498063
Accessories for individual or subsequent purchase:	
Heavy-Duty oil dispenser in white metal container	498060
Heavy-Duty refill set, 2 x 0.3l	498064
Heavy-Duty refill set, 1 x 5l canister (incl. tap)	498067
Oil sponge OS-STF 125 x125/5 (5 in pack)	498070
Cloths 240 x 380 mm (200 in dispenser box)	498071
Machines and accessories for preliminary and finishing work:	
Eccentric sander ETS 150/3 EQ-Plus	571542
CTM series mobile dust extractor	
Polishing pad PT-STF-D150-M8	485748
Special cloth STF D150 green (10 in pack)	496508
Special cloth STF D150 white (10 in pack)	496509
STF D150/16 P180 RU2/50	499123
STF D150/16 P220 RU2/50	499124
STF D150/16 P240 BR2/100	496593
STF D150/16 P320 BR2/100	496594



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Rubin 2



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The ETS 150/5 and RO 150 FEQ or ETS 125 and RO 125 FEQ can be used as an alternative (incl. all compatible Ø125 mm accessory items).
NEW: RubIn 2 with P220 grit is perfect for oiling prepared surfaces



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C

Preparation/Set-up

Before the oil is applied, the wood must be prepared using a final sanding grit of P180 to P240 (RUBIN2: up to P220) depending on the relevant wood type. Coarser grit for timber with an open vascular structure, P150 – P180 (e.g. oak). Finer grit for timber with a closed vascular structure (e.g. maple, beech).

Grits finer than P240 are not recommended because the capillaries of the wood are too densely compressed, which makes it hard for the oil to penetrate the surface.

- After sanding the wood for the last time, attach the PT-STF-D150-M8 backing pad and the green sanding cloth to the ETS 150 for the first oil coating. We recommend using the white cloth for other tasks.
- Set the sander speed to 3 or 4.

D

Procedure

Oil application:

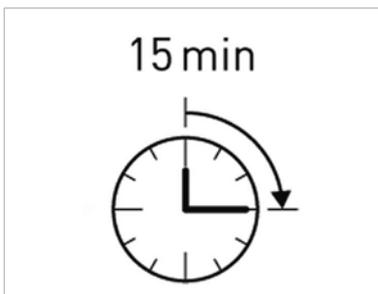
- Now apply an even coating of Festool Heavy-Duty oil to the dust-free surface using the SURFIX oil dispenser.
- Raise the oil dispenser slightly and squeeze the bottle to distribute the oil evenly over the surface
- Edges and end grain surfaces are usually oiled first because they absorb more oil due to their capillary effect and may leave drips behind. The visible side should also be oiled first.
- The oil is now distributed evenly over the surface without applying pressure. Squeeze the bottle again to apply more oil.
- Once the oil has been distributed evenly over the surface, it should be left to absorb for approx. 15 min.



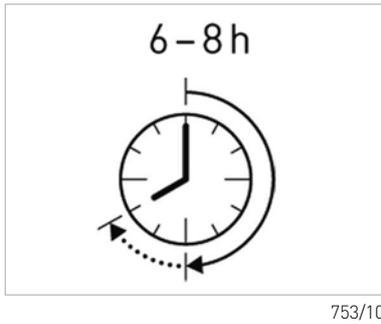
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Reworking:

- After allowing the oil to absorb, work in evenly using the ETS or ROTEX with green special cloth (flattens the protruding wood fibres to produce a smooth surface) and wipe off residues using the cloth. (If the residues are not removed, the surfaces on the end product may be shiny, blotchy and sticky.)



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Intermediate sanding (optional):

- Allow oiled surfaces to dry for 6-8 hours prior to intermediate sanding.
- Connect the ETS 150/3 to a mobile dust extractor prior to intermediate sanding of surfaces.
- Set the machine speed to 3 or 4.
- Sand surfaces using P 240 Brilliant 2 sandpaper without applying pressure

Oil coating/finishing work:

- The second coating can be applied once the sanded surfaces are cleaned. Use the same procedure as the first coat.
- After allowing the oil to absorb for 15 minutes, work in using the white special cloth. The white special cloth does not contain any grit and therefore produces an even better quality surface on the end product.
- Depending on quality standards, a third oil coating can be applied when the second coat is dry. We recommend even finer intermediate sanding using Brilliant2 P320.

Oil application:

- Once the surfaces are cleaned, the third coat of oil is applied using the same procedure as the second coat.

Read the following additional information to ensure that the processes before, during and after oiling run smoothly:

- Warning: risk of spontaneous combustion! Any objects or consumables that come into contact with oil (e.g. sanding discs, cloths, foam pads) should either be stored in an airtight metal container or soaked in water. Do not lay out to dry on combustible materials or throw in the waste bin!
- After finishing work, store the SURFIX oil dispenser in the white metal container to avoid the risk of spontaneous combustion and prevent the foam pad from drying out.
- Edges and end grain surfaces are usually oiled first because they absorb more oil due to their capillary effect and may leave drips behind.

- Always shake the storage container/bottle vigorously prior to use because individual components in the oil may have settled on the bottom. Failing to shake the bottle may increase drying times and have a negative effect on the appearance and properties of the oil.
- Maintenance intervals may vary depending on how much wear the treated surfaces are subject to. In this case, choose a reworking interval according to the visual appearance.
- Since all three oil types harden oxidatively (reaction with oxygen), the constant circulation of air must be guaranteed for the duration of the drying time.
- Never apply oils in direct sunlight. When oil is applied in extreme sunlight, it is absorbed too quickly and is much more difficult to rework.
- It is advisable to add a small amount of water to the white metal container to prevent the foam pad from sticking to the tin and keep the pad moist for longer.

FESTOOL

Our application examples are documented working steps that we have performed in practice. Working with machines, hand tools, wood and chemical products always poses a substantial risk. As a result, our application examples are only performed by skilled and experienced tradesmen. We cannot promise that the projects described here will turn out successfully because it all depends on your level of skill and the materials you are using. We always endeavour to provide accurate information, but cannot accept liability for the correctness of this information. We exclude all liability for breaches of duty resulting from slight negligence, unless damage from injuries to life, body or health are involved. Furthermore, liability for breaches of duty, the fulfilment of which is absolutely required for the proper rendering of the services owed under the agreement and the adherence to which you may regularly rely on, remains unaffected.

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