

Professional tip

## Drying problems with KUNOS Countertop Oil N° 243

Treatment suggestions



The drying process starts only 5 minutes after applying KUNOS Countertop Oil N° 243. Therefore oil supernatants need to be taken off or polished in after only three minutes! After 16 hours of drying the surface should not be sticky anymore.

Delayed drying or incomplete hardening have different causes:

**1. Too high humidity:** With more than 50% relative humidity the oxygen drying is delayed and the wet film hardens slowly. At 55% relative humidity and 30 °C air temperature, 1 m<sup>3</sup> air contains 60.5 g of water, at 20 °C only 9.5g water!

**Remedy:** Ensure good ventilation for strong air circulation in the area of the material surface. Summery humid air is more likely to cause drying disorders than room temperature.

**2. Too low room temperature:** At less than 18 °C the room air stands still and does not circle, because the temperature gradient to the outside air is too low.

**Remedy:** If the air can not be heated, the air circulation should be increased.

**3. Polishing after the start of the drying process:** For drying a drying agent needs to migrate to the material boundary, where it is then present in high concentration. Polishing or wiping after the start of the drying process destroys the concentration compaction of the drying agent. It cannot migrate back to the surface in the already tough paint film and so the coating does not harden.

**Remedy:** Dissolve the sticky layer by applying a new oil layer and wipe or polish immediately (dry). If necessary, repeat process. Then apply the coating as described above.

**4. Detergent residues on the surface:** Residues from conventional detergents can impede the adhesion or drying of the countertop oil. A posterior treatment or maintenance products do not harden and remain sticky.

**Remedy:** Dissolve the sticky layer by applying a new oil layer and wipe off immediately (dry). Then apply the coating as described above.

**5. Finger sweat on the wood surface:** Sweat components (uric acid, butyric acid, hydrochloric acid), for example, in the doorknob area complicate the drying of the KUNOS Countertop Oil.

**Remedy:** Dissolve the sticky layer by applying a new oil and remove it immediately with the help of steel wool or nylon fleece. Wipe dry. Then apply new coating. If this film does not dry neither, repeat the procedure.

**6. Coating on the wax layer:** If a wax coating of unknown origin shall be treated with the Countertop Oil, previously carry out a drying test on a test site and possibly dissolve the wax layer by applying a new oil layer and polishing with steel wool (wet). Repeat the process two to three times, if necessary. Then apply the coating as described above.

Please refer to the technical data sheets on our website: [www.livos.de](http://www.livos.de)

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