
Coating: processing recommendations for oil products

General recommendations for processing oil products used in surface treatment

There is a wide variety of natural oils and modified oil products that can be used to treat wood surfaces in interior areas.

Their main differentiating factors are their intrinsic colour, smell and processing properties, but above all it's their drying behaviour.

This depends on the oil product's chemical composition, which determines its drying intensity and ultimately also the oil application's protective effect on the wood.

Most oil products contain unsaturated (vegetable) oils that harden by absorbing oxygen. Heat consequently develops during the drying process and needs to be adequately dissipated.

The heat development on treated wood surfaces is very low and barely measurable.

In the case of combustible materials with very large surface areas and at the same time low volume, the heat can accumulate and then rise to the point of spontaneous combustion of the oil-contaminated, **flammable** material (cloths, sponges, filter mats, polishing pads, lacquer dust, sanding dust from freshly oiled surfaces, soiled work clothing, etc.).

This process can take from a few hours to a few days and is subject to the ambient temperature and level of contamination.

It is therefore advisable to take the following precautions:

- 1. Observe the applicable safety and workplace regulations!**
- 2. Keep your workplace clean!**
- 3. Spray booths with water separation are preferable to dry booths!**
- 4. Do not alternate spraying with different lacquer systems at a single spray booth or spray stand! Please also observe DGUV Rule 100-500 (previously BGR 500) Section 2.29 (Processing of coating materials) paragraph 3.12**
- 5. Only use clean, non-flammable filter mats!**
- 6. All materials that have come into contact with the oil products should in principle be thoroughly cleaned at the end of work.**
- 7. All contaminated consumables and "waste" should also be removed from the coating area in a timely manner and stored outdoors until needed again or finally disposed of.**
- 8. Only collect sanding dust that is soiled with lacquer and oil in a suitable, unsealed container filled with water. A few drops of detergent facilitate wetting of the soiled material. The water must completely cover the contents. Subsequent disposal must be performed in a proper manner.**
- 9. Remove saturated filter mats from the coating area and spread them out in the open to dry!**



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10. After sufficient drying, dispose of the saturated filter mats and other soiled materials in a suitable, open container according to the regulations!
11. Soaked cloths and brushes must be stored under water prior to disposal!
12. Oil-soaked rags, cloths, sponges, pads, etc. should be rinsed in water and then spread out in the open air to dry. After drying, the materials can be disposed of according to the regulations.
13. Please observe the technical information and the relevant product's material safety data sheet before processing!

Here's another practical tip for the **spray application of oil-based products**:

- Construct a subframe to match the size of the extraction surface.
- Attach a separate, suitable and non-combustible filter to this frame.
- Place this additional filter in front of the extraction system for the spray booth/spray stand. Albeit only whenever oil-based materials are being processed.
- As a precaution, you could also use suitable, non-combustible materials to cover other surfaces that may come into contact with the spray fog/dust from an oil-based product.
- Please also follow the other recommended precautions!
- After use, store the "auxiliary filter" and the other cover materials in such a way that heat cannot accumulate. Please not in the coating or respectively the woodworking areas.

Note:

This information is purely advisory and is based on the best knowledge available after careful research in line with current state of the art technology. It is not legally binding. We also refer you to our Terms and Conditions.

The material safety data sheet as per regulation (EC) No. 1907/2006 is available.