

Processing instructions / Technical data sheet

CAIRCON - Douglas oil

CAIRCON Douglas fir oil is a low-odour oil for the protection and preservation of untreated garden furniture and decking made of Douglas fir and other woods. It is suitable for both old and new Douglas fir wood, enhances the natural wood color, delays graying and gives the wood surface a silky matt brilliance. The oil treatment also reduces cracking and protects the wood from drying out.

It is based on natural raw materials and contains no pesticides. It not only cares for the surface, but also penetrates deep into the wood. The oil ensures that the wooden decking and the treated garden furniture remain breathable. Treated surfaces remain open-pored and can continue to regulate moisture.

Step 1: Preparing the surface

- 1. Cleaning the surface:** Make sure that the wooden surface is dry, clean and pH-neutral. For stubborn stains, pre-treat the surface with our **CAIRCON - Special pre-cleaner** to achieve optimum results.
- 2. Sanding the surface:** Lightly sand the surface with fine sandpaper to create a smooth and even base for the oil application.
3. Remove the sanding dust with a lint-free cloth or a soft brush to clean the surface thoroughly.

If third-party products are used to prepare the substrate, their compatibility and the perfect final result must be checked by applying a test surface BEFORE coating. If third-party products are used, no liability can be accepted for a proper application result.

Step 2: Applying the Douglas fir oil

- 1. Application methods:** Apply the Douglas fir oil thinly with a high-quality brush or a lint-free cloth or sponge and work it well into the surface. Take care to distribute the oil evenly and avoid puddles. Excess oil should always be removed.
2. In order to improve the penetration behavior of the Douglas fir oil, it can be diluted with 20-50% **CAIRCON - Balsam turpentine oil** if necessary. This makes it easier to spread in corners and edges.
- 3. check the drying progress with the finger test:** The coating should be dust-dry and not stick to your finger. Visible shiny spots indicate that the coating is still damp.

Step 3: Aftercare and care

- 1. Further coats:** After the first coat has dried, apply 1-2 further coats, depending on requirements and the desired degree of protection. The drying time between coats may vary, especially at lower temperatures.
- 2. Avoid any excess Douglas fir oil.** After approx. 30 minutes, remove excess Douglas fir oil with a lint-free cloth until the surface has an even, silky matt appearance.
3. If a layer of the oil has been applied that is too thick and has already dried, it can be removed with caustic soda.

Drying time

Please note: these times only apply at an optimum air temperature of 20-25°C and humidity of 40-60% and may vary if these conditions change.

Dust-dry after 24 - 48 hours	paintable after 2 - 4 days	Fully dry 7-14 days
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This system requires sufficient oxygen in the air for drying. Good ventilation should therefore be ensured, for example by using a fan.

Technical data

Color	golden-greenish
Base	100% natural, cold-pressed linseed oil
Consumption	approx. 0.1 - 0.2 L/m ² (per coat)
Areas of application	untreated wooden surfaces such as wooden tables, worktops, garden furniture, terraces, windows, furniture and doors etc.
Processing	with brush, cloth, sponge
Flash point	240°C
Storage	Always close the container tightly. The product can be stored almost indefinitely without oxygen, light, contamination or frost.

Safety and protective measures

Caution: Working materials soaked with Douglas fir oil, e.g. cleaning cloths, sponges, sanding dusts, polishing pads with oil that is not completely dry, must be stored in an airtight metal container or in water and care must be taken when spreading that no oil comes into contact with porous insulating materials, as otherwise there is a risk of spontaneous combustion due to the plant oil content.

The product is NOT self-igniting in containers and when used alone.

Store out of reach of children. Pay attention to possible allergies to natural substances. The natural raw materials used may cause a typical product odor.

Recommended additional products

Cleaning	CAIRCON - Special pre-cleaner
Tools	CAIRCON - Brush set
Dilution	CAIRCON - Balsam turpentine oil