

UV-Oil 510 is a VOC free product based on natural vegetable oils. It is remarkable for its UV-curing technology that causes the oil to harden instantly after being applied, which ensures an extremely high productivity without compromising quality. The combination between this technology and the high solid content of the UV-Oil provides a 100% ready oiled floor that does not require additional on-site maintenance right after installation.

- **Ensures an extremely fast application flow**
- **Provides an oiled floor ready for use**
- **Based on natural vegetable oils**
- **Compatible with all the regular WOCA cleaning and maintenance products**



Application area

For surface treatment of hardwood and softwood: Parquet, table tops and furniture

Surface preparation

Preparation Wood surface must be clean, dry and free from dust. Final sanding grit = 180 or light wirebrushed.

Note Viscosity correction: WOCA Reactive Thinner UV oil.

Regular Cleaning is done with WOCA Soap mixed with lukewarm water. Occasional cleaning can be done using WOCA Oil Refresher. Mixed with lukewarm water. See above links. Floor may be maintained with WOCA Maintenance Gel in regular intervals. With correct maintenance, the surface will not need sanding but may be cared for just with small quantity of Maintenance Gel. See above links.

How to apply

UV-Oil 510 must be stirred before and during application. Quantity of oil applied depends on type of wood: Application of oil is made with roller coater.

Hardwood: Base Coat: 15-20 gr./m² - Top Coat: 5-10 gr./m².

Softwood: Base Coat: 20-25 gr./m² - Top Coat: 5-10 gr./m².

Quantity should be applied on two roller coater stations. Brushing clockwise and counter clockwise. 1st UV-dryer Hg-lamp with 80-120 W/cm. For coloured systems, a combination of Hg- and Ga-lamps is recommended. Intermediate sanding grit 320 or 400. 2nd application of top coat UV-oil. Brushing clockwise and counter clockwise. 2nd UV-dryer Hg-lamp with 80-120 W/cm. For coloured systems, a combination of Hg- and Ga-lamps is recommended. Quantities of oil are only recommendations and may vary. In addition to this material WOCA Denmark offers bespoke line configurations supplied on request advising.

Achievable gloss level with above application:

UV-Oil 510 = approx. 5%. Important factors that influence the results: Wood species, wood characteristics, film thickness, temperature of oil and wood, output from UV lamps, sanding of wood and intermediate sanding between base coat and top coat. These are all important factors to achieving wanted gloss level. Gloss is measured in grain direction at 60 degrees as a calculated average of a fair number of measurements.

Application	Nozzle size (mm)	Spray pressure (bar)
Manual	-	-
Airmix	-	-
Cup	-	-



UV-Oil 510

Can be used for indoor wood species

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Drying time

Drying time Through UV-dryer only. Hg-Lamp or Hg- and Ga-lamps.

Technical data

Colours	Various colors
Gloss	Matt – varies depending on quantity applied etc.
Packaging	10 L container
Specific gravity	1.05-1.15
Storage temperature	Above 18°C, do not expose to heat or frost
Shelf life	36 months, unopened
Viscosity	35-55 sec. DIN cup 4
Solid content	Approx. 100%
Flash point	Approx. 67°C
Coverage	Approx. 30-35 m2 per litre
Form	Liquid
Cleaning of equipment	WOCA UV Cleaner
Safety	Observe our material safety data sheet
Danger	GHS07, H315, H317, H319, H412

Maintenance and related products

Weekly cleaning	WOCA soap
Monthly care	WOCA Oil Refresher
Half yearly care	WOCA Maintenance Gel

Contact

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This information is based on extensive laboratory testing and practical experience. Because the conditions under which the product is used are often beyond the control of WOCA Denmark, we can only guarantee the quality of the actual product. WOCA Denmark A/S accepts no liability for incorrect use and handling of the product. In principle, this product can be considered an intermediate product, as results depend on construction, the nature of the surface, pre-treatment, temperature, air humidity, application etc. WOCA Denmark A/S reserves the right to change the product and the stated information without notice. This label/product description replaces all previous versions.