Ecoline Hardwax-Oil 2.0

Technical Data Sheet
February 2022

SAICOS COATING SYSTEMS

Ecoline

- » ***solvent-free, natural, ecological***
- » ***ecologically flawless coating for all wooden and cork floors, table and work tops, furniture and other interior wood***
- » ***long durability***
- » ***dirt repellent***
- » ***oxidative drying***
- » ***ready for use (1K) or with Additive Hardener 2K***

Product characteristics:
Ecoline Hardwax-Oil 2.0 creates a beautiful, natural and durable surface. Open-pored surface finish based on natural plant raw materials (oils and waxes). It combines the advantages of an oiled wooden surface (natural beauty of the wood gets emphasised) with an exceptional high abrasion resistance and durability and is therefore very easy to clean and maintain. The *Ecoline system* is healthy-living and breathable.
Ecoline Hardwax-Oil 2.0 is solvent-free, slip resistant R9. Saliva and sweat resistant acc. DIN 53160 T.1+2.
Complies with the migration behavior according to DIN EN 71T.3. DIBt approval: Z-157.10-4.

Colours:
3620Eco Satin matt* colourless
3620Eco matt** colourless
* The 2K version (after adding the *Hardener 2K, art.-nr. 3643Eco*) creates a **satin matt** surface.
** The 1K version (without *Hardener 2K*) creates a **matt** surface.

Note:
Switch off the underfloor heating 36 h before application. Switch it back on 24 h after applying the last coat. The colour result depends on several factors: besides the wood species and quality the sanding is also crucial. We recommend a trial coating on original timber in order to obtain the most accurate preview of the later result (acc. to German DIN 18356).

Fields of application:
All kinds of indoor wood flooring:
parquet, solid wood floors, strip parquet, veneer wood…
All kinds of cork floors: parquet, cork tiles…
Also for other high-wear wood surfaces:
working and table tops, furniture and other interior wood – also recommended for children's toys and other wood objects. Exotic woods such as teak, ipe lapacho, wenge and e.g. smoked oak as well as various softwoods contain ingredients which can lead to delays in curing, intercoat adhesion failure or colour changes. Due to the diversity and completely different properties of these woodtypes, we recommend contacting our sales team for technical advice and, if in doubt, we recommend carrying out a preliminary test.

Preparation:
Wood surface must be dry and clean (max. moisture content 12%). Any lacquer or paint remains need to be sanded off completely. Sand the surface thoroughly. Final sanding should be done with a cross grinding pad or sanding paper min. grain 120 to 150 – also in edge areas. Remove sanding dust with dry cloth or vacuum cleaner.

For bathroom furniture we recommend one coat of *SAICOS Ground Oil Extra Thin* and subsequent two coats of *Ecoline Hardwax-Oil 2.0*.

Processing:
1st coat:
Ecoline Hardwax-Oil 2.0 is ready to use. Stir well – do not dilute.
Apply thinly with *SAICOS Double Blade Scraper*. Application quantity approx. 15g/sqm, depending on wood species. Buff the coated surface until cloudless appearance with one-disc rotary machine (white or beige pad) after max. 20 - 30 min.
For other application methods, please contact our application engineering department.
Drying time: approx. 8–10 hours (depending on temperature and air humidity). After drying a sanding with one-disc rotary machine (green pad) is recommended.
Oxidative drying – provide open windows during and after processing to reach a good air circulation.

2nd coat:
Stir well – do not dilute.
Apply thinly with *SAICOS Double Blade Scraper*. Buff the coated surface until cloudless appearance with one-disc rotary machine (white or beige pad) after max. 20 - 30 min. After another 15 - 20 minutes, buff it a second time.
Drying time: approx. 8–10 hours (depending on temperature and air humidity). Walkable after approx. 8 hours.

Best processing temperature:
between 8 °C and 35 °C

coverage per liter:
approx. 35 m^2 (2 coats)
Coverage depends on wood species and surface structure.

Number of coats:
2 x *Ecoline Hardwax-Oil 2.0*

Easy maintenance:
Cleaning and maintaining:
Daily cleaning with mop, duster or vacuum cleaner. Can be mopped damply (*Ecoline Wash Care*). Persistent dirt and stains (e. g. from rubber soles) can be removed with *Ecoline Wax Care*.

Renovation:
Clean surface with *Ecoline Magic Cleaner* first. No sanding required. No complete sanding required - we recommend a slight sanding of the surface with *SAICOS Sanding fleece mat* 410 mm art. no. 0950 727 (chestnut pad) - then simply apply a new coat of *Ecoline Hardwax-Oil 2.0* onto the cleaned floor. Surfaces previously finished with *Ecoline Hardwax-Oil 2.0* must be renovated with *Ecoline Hardwax-Oil 2.0*.

Storage:
At least 5 years in sealed container. The liquid product is not susceptible to frost. To restore good spreadability after exposure to frost, store at room temperature for several hours and stir well.

Cleaning of tools:
With *SAICOS Brush Cleaner*.

Physical properties:
Density: 0,91 - 0,97 g/cm³
Viscosity: 115 - 155 seconds, 4 mm cup, DIN 53211
Odour: faint / mild, odourless when dry
Flashpoint: not measurable

Safety Instructions – First Aid:
Keep out of the reach of children. Do not fill into food, beverage or other containers used for foodstuffs. Wash out any product-soaked rags immediately or store in an airtight container (danger of combustion). The dried coating is normally inflammable acc. to EURO norm EN 13501 (DIN 4102 B2).

Safety data sheet available on request.

EU limit for clear coatings and stains (cat. A/e): 400 g/l (2010).
Ecoline Hardwax-Oil 2.0 contains < 1 g/l VOC.
GGVSEB / ADR -/-

Our application advice is provided to the best of our knowledge and based on experiments, however, applies only as a non-binding recommendation and does not exempt you from testing the products supplied by us as to their suitability for the intended purpose. Since the application and processing of the products is beyond our control, the responsibility rests solely with the user. With publishing a new technical data sheet the previous loses its validity.

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