

# Ecoline MultiTop<sup>Plus</sup> System

Technical Data Sheet  
January 2016  
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## Ecoline



- » water-based 1 K lacquer for normal and high wear and tear
- » can be combined with our various additives
- » can also be used on our Ecoline Oil Ground Coat

### Product characteristics:

*Ecoline MultiTop* is a water-based 1K lacquer on polyurethane basis for common and high wear and tear. It is part of a coating system especially developed for wood and bamboo flooring as well as heavily worn furniture surfaces. By using different supplements, the diversity of possible application areas is almost inexhaustible. Slip-Resistant R 9. DIBt approval: Z-157.10-162.

### Gloss degrees:

9980Eco Ultra matt	colourless
9985Eco Matt	colourless
9990Eco Satin matt	colourless
9995Eco High gloss	colourless

### Additives:

9908Eco Hardener 2 K
9914Eco UV-Protection
9915Eco Extra White
9916Eco Anti-Slip R10
9918Eco Pitch Black
9919Eco Slow Down
9933Eco Pure

### Hint:

A maximum of 2 supplements can be put into the *Ecoline MultiTop* canister. Please mix *Ecoline MultiTop* lacquer and supplements in a separate canister if more than 2 supplements are needed.

The final result is influenced by different factors: wood, wood species and sanding. Therefore, we always recommend a trial coating on original wood.

### Fields of application:

For all wood and bamboo floors (solid wood flooring, parquet, and multi-layer flooring) and interior surfaces. Suitable for hard wood, exotic wood or thermally-treated wood if combined with primer (*Ecoline Oil Ground Coat*, *SAICOS Oil Ground Coat* or *Ecoline Future Universal Ground Coat*). Side bonding gets reduced by using one of the previous mentioned primer.

### Limitations of use:

Our experience has shown that for all wood species with water-soluble wood components (e.g. Merbau, Jatoba, Afzelia, Robinia, Acacia) a wood bleeding is possible (spots). We recommend a trial coating. Please also take DIN 18356 and DIN 18367 into account.

### Preparation:

Surface must be dry and clean (max. wood moisture 12 %). Sand off any lacquer or paint remains. Sand wood surface thoroughly. Final sanding should be done with gross grinding net or sanding paper of grain 120-150 – also in edge areas. Remove sanding dust thoroughly with dry cloth or vacuum cleaner. Switch off the underfloor heating 36 h before application. Switch it back on 24 h after applying the last coat.

### Application:

We recommend to apply the *Ecoline MultiTop* with *SAICOS Aqua Roller*.

**Best application temperature:** between 15 °C and 25 °C

### 1st coat:

Either a primer such as *Ecoline Future Universal Ground Coat*, *Ecoline Oil Ground Coat* (please find instruction in corresponding technical data sheet) or *Ecoline MultiTop* including supplement(s) if required (instruction in technical data sheet of supplement). Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*. Application quantity 100 - 120 g/sqm

**Drying:** 3-4 hours (depending on temperature and humidity).

### 2nd coat:

*Ecoline MultiTop* including supplement(s) if required (instruction in technical data sheet of supplement). Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*. Application quantity 100- 120 g/sqm. Maximum two lacquer coats per day.

**Drying:** 3-4 hours slightly walkable (depending on temperature and humidity)

### In-between-sanding:

after approx. 4 hours with 120 - 150 grid, remove sanding dust with dry cloth or vacuum cleaner.

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### Third coat:

*Ecoline MultiTop* including supplement(s) if required (instruction in technical data sheet of supplement). Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*.

Application quantity: 100-120 g/sqm. Complete curing and full resistance is reached after approx. 8 hours.

**Cleaning of tools:** with water

### Care and maintenance:

Common cleaning with broom, mop, vacuum cleaner or dust cloth. Can be moped damply (put *Ecoline Wash Care* into water). Persistent dirt and stains (f.i. of rubber soil) can be removed with *Ecoline Magic Cleaner*.

### Frequent maintenance:

We recommend to treat lacquer surfaces with *Ecoline Refresher* every 3-6 months.

### Storage:

Minimum 12 months in closed container. The liquid product is susceptible to frost. Transport and store frost-free (> 5°C).

### Physical properties:

**Density:** 1.03 - 1.06 g/cm<sup>3</sup>

**Viscosity:** 26 - 32 sec, 4 mm cup, DIN 53211

**Odour:** typical, odourless after drying

**Flashpoint:** > 100°C (DIN 53213)

### Safety instructions - First Aid:

Keep out of the reach of children. Do not fill into food, beverage or other containers used for foodstuffs.

**Contains:** Mixture of CIT and MIT (3: 1) and TMDD.

May cause allergic reactions.

Material safety data sheet available on request.

EU limit value for *Ecoline MultiTop* (cat. A/i): 140 g/l (2010). *Ecoline MultiTop* contains max. 140 g/l VOC. GISCODE W2+ Labeling class WGK 1 according to German standard. Further information can be found on our current technical data sheets. Safety data sheet available on request.

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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