

MultiTop Plus System

Technical Data Sheet

January 2014

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Ecoline



- » *easy and good processing*
- » *different supplements for various application areas*

Characteristics:

Ecoline MultiTop Plus is a water based 1K lacquer on polyurethane basis for common and heavy wear. It is part of a coating system especially developed for wood and bamboo flooring as well as heavily worn furniture surfaces.

Ecoline MultiTop Plus is characterized by its good and easy processing. By using different supplements, the diversity of possible application areas is almost inexhaustible.

Gloss degrees:

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

Supplements:

Hardener 2K

Allows production of a 2K water lacquer which meets highest object requirements. Also as finish on top of *Ecoline Oil Ground Coat* and *Oil Ground Coat*.

Caution: Do not close container which contains mixture.

Accelerator „Speed Up“

By adding this supplement the surface gets within 24 hours its complete curing and can be released for unrestricted use. Do not use on UV coated surfaces.

Caution: Do not close container which contains mixture.

UV Protection

Reduces natural colour changes of wood. Can also be used on top of *Ecoline Oil Ground Coat* and *Oil Ground Coat*.

Extra White

We recommend a combination with *Ecoline Oil Ground Coat 3408Eco* or *Oil Ground Coat* for an especially white floor.

Slip Resistant „R10“

By combination with supplement *Hardener 2K* your receive slip resistance R10. Can also be used on top of *Ecoline Oil Ground Coat* and *Oil Ground Coat*.

Caution: Do not close container which contains mixture.

“Silver” Effect

Gives the surface a silver sparkling effect. May be applied once or

twice. Just in combination with *Ecoline MultiTop Satin matt* or *High gloss*. Please apply colourless Satin matt or High gloss *Ecoline MultiTop* (without effect) as Top Coat. Can also be used on top of *Ecoline Oil Ground Coat* and *Oil Ground Coat*.

Delayer „Slow Down“

Extends possible processing time of lacquer depending on climatic conditions. Especially suitable for critical site conditions with high temperatures and low humidity. Can also be used on top of *Ecoline Oil Ground Coat* and *Oil Ground Coat*.

Maximum 2 supplements can be put into *MultiTop* canister. Please mix *MultiTop lacquer* and *supplements* in a separate canister if more than 2 supplements are needed.

Field 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*, *Oil Ground Coat* or *Future Universal Ground Coat*). Side bonding gets reduced by using one of the previous mentioned primer. Please make test coating on original sample in case of having any doubts.

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.

Application:

Apply with *SAICOS Aqua-Roller*, application quantity 100 -120 g/m² Can also be applied by spraying. *Ecoline Multi Top* is ready for use, do not dilute. Shake well prior usage. Best application temperature between 15 °C and 25 °C, surface to be coated at least 8 °C.

Coverage: 1 liter approx. 9 m² (1 coat)

Canister: 5 liter for approx. 45 m² (1 coat).

First coat:

Either a primer such as *Ecoline Future Universal Ground Coat*, *Ecoline Oil Ground Coat*, *Oil Ground Coat* (please find instruction in corresponding technical data sheet) or *Ecoline MultiTop* including supplements if required (instruction in technical data sheet of supplement).

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Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*. Application quantity with 100 - 120 g/m².

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

Second coat:

Ecoline MultiTop including supplements if required (instruction in technical data sheet of supplement). Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*. Application quantity 100-120 g/m². Maximum two lacquer coats per day.

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

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

Third coat:

Ecoline MultiTop including supplements if required (instruction in technical data sheet of supplement). Apply *Ecoline MultiTop* with *SAICOS Aqua-Roller*. Application quantity 100-120 g/m².

Complete curing and full resistance is reached after approx. 5 days.

Cleaning of working utensils: with water

Care and maintenance:

Common cleaning with broom, mop, vacuum cleaner or dust cloth. Can be moped damply (put *Ecoline Wash Care* (art. 8101Eco) into water). Persistent dirt and stains (f.i. of rubber soil) can be removed with *Ecoline Magic Cleanser* (art. 8125Eco/8126Eco).

Frequent maintenance: We recommend to treat lacquer surfaces with *Ecoline Refresher* (art. 8106Eco) every 3-6 months.

Storage properties:

Minimum 12 months in closed container.

Liquid product is vulnerable against frost. Transport and store protected against frost (> 5°C).

Physical characteristics:

viscosity: 26-32 sec. 4 mm DIN

density: 1,03 - 1,06 g/cm³

odour: typical, odourless after drying

flash point: > 100°C (DIN 53213)

Safety Advice:

Avoid release to the environment. Do not fill in containers meant for food, drink or the like. The dried coating is normally inflammable acc. to EURO standard DIN EN 13501 (DIN 4102 B2). Contains mixture of thiazole, may cause allergic reactions. Keep out of reach of children. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. In case of contact with eyes rinse immediately with plenty of water and seek medical advice if swallowed.

EU limit for 1K lacquer (cat. A/i): 140 g/l (2010) · *SAICOS Ecoline MultiTop* contains max. 60 g/l VOC · GISCODE: W3+ · WGK1

EU limit for 2K lacquer (cat. A/i): 140 g/l (2010) *SAICOS Ecoline MultiTop* incl. supplements contains max. 100 g/l VOC

GISCODE: W3+ with supplement *UV Protection, Extra White, "Silver" Effect, Delayer, "Slow Down"*

GISCODE: W3+/DD with supplement *Hardener 2K, Accelerator, "Speed Up", Slip Resistant, R10"*