

ON SITE APPLICATION

Furniture

RMC LED OIL SYSTEM

includes Rubio[®] WoodPrep and Rubio[®] Monocoat LED Oil

RUBIO[®] WOODPREP

Rubio[®] WoodPrep removes residues from sanding dust, minimises sanding errors and reduces wood type-related tannins and oils.

PRODUCT INFORMATION

› Unique characteristics

- Sanding errors and any small scratches are minimised.
- Improves the intensity of the coloured Rubio Monocoat oil through better pigment absorption.
- Tannins in the wood are reduced, which decreases the chance of discolouration.
- Improves adhesion to naturally waxy and oil-rich wood types.

› Technical characteristics

- Physical condition: Liquid
- Colour: Transparent
- Odour: Characteristic
- Flashpoint: > 100 °C
- Density: ≈ 1 kg/l

› Packaging

Bottle 100 ml and 1 L, jerrycan 5 L and 10 L.

› Disposal

Process empty containers according to local regulations.

› Storage

The products can be stored for at least 12 months in the original packaging.

APPLICATION INFORMATION

› Instructions for use

STEP 1. Thoroughly vacuum the surface to be treated.

STEP 2. Distribute the WoodPrep evenly on the surface with a sponge. It is important that no untreated spots are left, because this would cause the surface to be cloudy or uneven afterwards.

STEP 3. Carefully wipe down with the Rubio Monocoat Microfiber Pad lengthwise, in the direction of the wood grain, so that any little puddles get distributed evenly.

STEP 4. Let the treated surface dry completely, until it looks and feels evenly dry.

STEP 5. Apply the Rubio finishing of your choice.

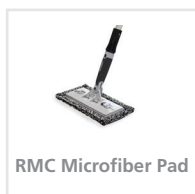
› Consumption

Maximum 10 m²/L

This consumption is purely indicative and will depend on the type of wood, preparation and environmental conditions.



› Tools



RUBIO® MONOCOAT LED OIL

Rubio® Monocoat LED Oil is a hardwax oil for the finishing of wooden floors and furniture, specially designed for an instant curing with LED technology. Just like all Rubio® Monocoat oils, RMC LED Oil is based on the well-known RMC technology of molecular bonding and combines as such the unique characteristics of the RMC oils with the advantages of LED-curing oil technology.

› Unique characteristics RMC oils

- strong, durable finish in one single layer
- natural "look & feel"
- low consumption
- 0% VOC - solvent free

› Advantages LED-curing technology

- Environmentally-friendly: No mercury, no unpleasant odour, no ozone emission, no need for an extraction unit.
- Energy-efficient: Longer-lasting lightbulbs which consume considerably less energy.
- Time-saving: Wood can be walked on or packed immediately after the curing process.

In short, a durable, efficient and cost-effective way to finish wood!

PRODUCT INFORMATION

› Specific characteristics:

- is applied in 1 coat
- 0% VOC - solvent free
- natural look and feel like with oxidative finishing
- water-resistant after 6 hours
- lasting protection and colouring of the wood
- easy to maintain with standard RMC product range
- easy to use, no overlaps possible before the curing process
- can be used on almost all wood types
- 40 unique, intense colours
- cures instantly with LED light

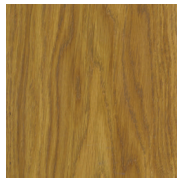
› Technical specifications:

- Base: natural oils and hardwaxes
- Physical state: liquid
- Flash point cc (astm d93): > 100°C (Pensky Martens)
- Density: 0,98 (Pure) until 1,2 depending on the colour
- VOC content: 0 g/L

› Packaging: Can 100 gr - 1kg - 5kg

› Storage: The product may be stored for 6 months in a dry place and in the original packaging. Do not store below 5 °C.

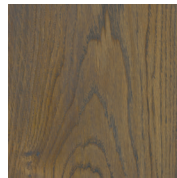
› Colours



ANTIQUE BRONZE



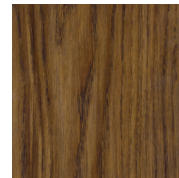
AQUA



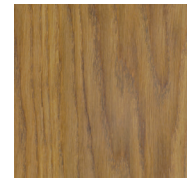
ASH GREY



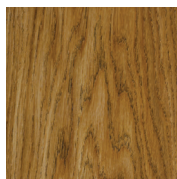
BISCUIT



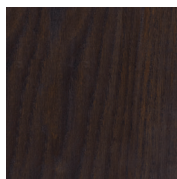
BLACK



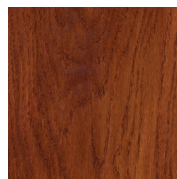
BOURBON



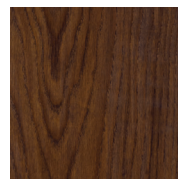
CASTLE BROWN



CHARCOAL



CHERRY CORAL



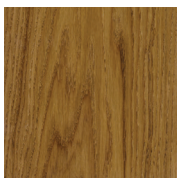
CHOCOLATE



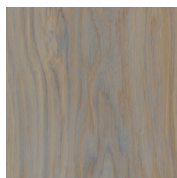
CORNSILK



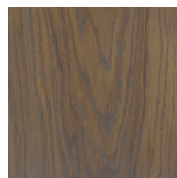
COTTON WHITE



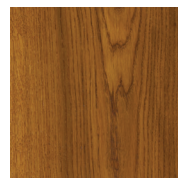
DARK OAK



GRIS BELGE



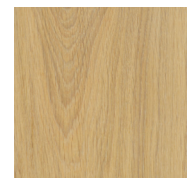
HAVANNA



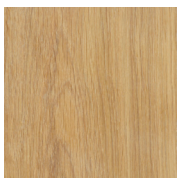
ICE BROWN



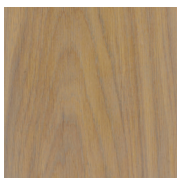
MAHOGANY



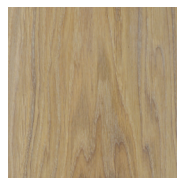
MIST



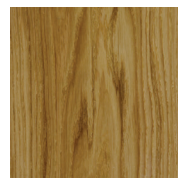
MIST 5%



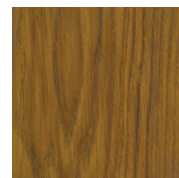
MUDLIGHT



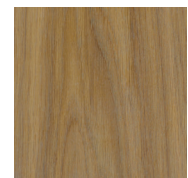
NATURAL



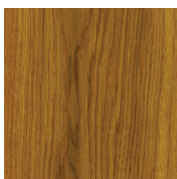
OAK



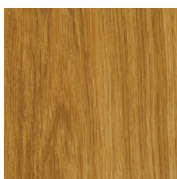
OLIVE



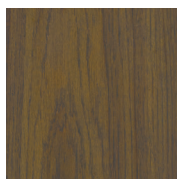
OYSTER



PINE



PURE



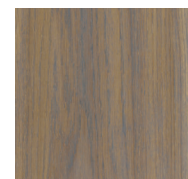
SAVANNA



SILVER GREY *



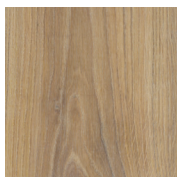
SKY GREY



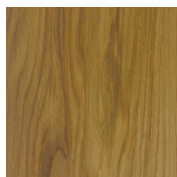
SLATE GREY



SMOKE



SMOKE 5%



SMOKED OAK



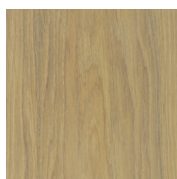
STONE



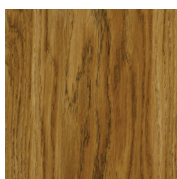
SUPER WHITE



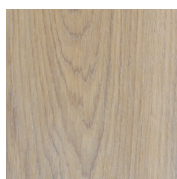
TITANIUM GREY



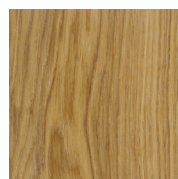
VANILLA



WALNUT



WHITE



WHITE 5%

* Silver Grey is only available as set
(A + B Comp.) of 1 kg or 5 kg.

APPLICATION INFORMATION

› Instructions for use:

ON SITE APPLICATION / Furniture

Step 1. Untreated wood: sand the surface scratch-free to allow a smooth finish. Make sure to polish the surface without closing the pores (e.g. Ceramic Sanding paper). Vacuum the surface thoroughly and eliminate remains of dust.

Mat finishes:

Step 2. Open pores are essential for absorbing LED Oil. Therefore, Rubio Monocoat obliges* to moisturize the surface smoothly with water (water popping) or use Rubio WoodPrep.

* Be careful to test out first that your base material is suitable to allow water popping. We have tested this on the most common European wood species. However, some wood species might not be suitable for water popping, so be sure to test a small part of the wood beforehand.

Step 3. Once the cleaned surface is dry, spread out a small quantity of RMC LED Oil (RMC Cloths, RMC Scrubby Set).

Step 4. Allow to absorb for a few minutes. Then smooth the surface with a RMC Scrubby Set and thick red pad or work it in with an abrasive pad (e.g. GS320) to cut the fibers. When doing this, it's important not to take away too much product, but to even it out well. Finish all zones the same way.

Tip: We recommend that you work with thicker superpads on LED, as the LED oils attack the plastic on the mechanical tools.

Step 5. After having treated the entire surface with RMC LED Oil, cure it by means of our LED-curing hand unit. We advise to hold the LED curing unit 0,5 cm (0,20 inches) above the surface.

Tip: In case you need a smoother surface, it is also possible to polish the surface after the curing with a polishing paper P800 or higher. Please note this will decrease the gloss!

Gloss finishes:

Step 2. Dust free surfaces are essential for a good surface. Use the RMC Cleaner to remove all the dust. Please note: RMC Cleaner does not have a water popping effect but removes the dust perfectly.

Step 3. Once the cleaned surface is dry, spread out a small quantity of RMC LED Oil (RMC Cloths, RMC Scrubby Set).

Step 4. Allow to absorb for a few minutes. Then smooth the surface with a RMC Scrubby Set and thick red pad. When doing this, it's important not to take away too much product, but to even it out well. Finish all zones the same way.

Step 5. After having treated the entire surface with RMC LED Oil, cure it by means of our LED-curing hand unit. We advise to hold the LED curing unit 0,5 cm (0,20 inches) above the surface.

Step 6. Slightly sand the surface with a varnish sanding paper K120. Remove the dust with RMC Cleaner.

Step 7. Apply a 2nd layer of RMC LED Oil. Follow the steps 3 and 4.

Step 8. After having treated the entire surface with RMC LED Oil, cure it by means of our LED-curing hand unit. We advise to hold the LED curing unit 0,5 cm (0,20 inches) above the surface.

- Tip:**
- Some woodtypes, like Walnut, have a lot of counter grain. Therefore it is better to treat them 2 times with RMC LED Oil, like the gloss finish method.
 - Because of the instant curing you have when using RMC LED Oil in combination with RMC LED curing machines, it is really easy to be creative in combining different colours on top of each other. This without having to wait for the first layer to be cured as is typical with oxidative systems.

ATTENTION:

It is very important to not expose the Rubio Monocoat LED Oil to direct daylight. By contact with daylight, the oil will dry and can no longer be processed as a result. Windows should be blinded during the application.

› Tips:

- RMC LED Oil is LED curing oil and is thus only suited for applications using LED-curing technology.
- Rubio Monocoat offers the following machine to cure the oil instantly on furniture: a LED-curing hand unit. An optimal result can only be guaranteed when RMC LED Oil is being used in combination with our LED-curing machines.
- The curing process is affected by the preparation of the wood, the presence of a possible pre-colouring, etc. It is strongly advised to test the curing process experimentally first.
- RMC LED Oil is a single component product and is not compatible with the accelerator (B) of the RMC Oil Plus 2C.

› Consumption:

- **MANUAL APPLICATION:** 1 KG = ± 50 m²

These usages are merely indicative. Results depend on wood type and method of preparation. It is always recommended to make a sample in order to calculate the exact usage.

- **Remark:** Rubio[®] Monocoat is not a film building product, so absorption strongly depends on the preparation of the wood.

› Tools:



› Related products:



› Machinery:



LED-CURING HAND UNIT
On-site application

› Safety precautions:

LED lights emit only UV-A light and no UV-B and UV-C light. UV-B and UV-C are much more damaging to the eyes and skin than UV-A light is. For long-term contact with LED light, however, we do recommend wearing gloves, long sleeves/trousers and suitable safety goggles.

› Maintenance:

Surfaces treated with RMC LED Oil can be maintained and restored using the same colour Rubio Monocoat Oil Plus 2C.

For our complete assortment of products and machinery for the protection and colouring of interior and exterior wood, please visit www.rubiomonocoat.com

YOUR DISTRIBUTOR:

LIABILITY: It is the user's responsibility to establish, through his own tests, whether the product is suitable for the chosen application. In no case can Muylle Facon BVBA be held liable for any consequential damage. The information above may be subject to changes, which will be published in the updated versions of the technical data sheet. We cannot be held liable for poor results due to causes that are not related to the quality of the product. This technical information has been drawn up based on the currently available information and knowledge. The most recent technical data sheets can be requested or are available on the website. **Date of TDS: 19/06/2018. Check the safety information before using the product.**



**Rubio[®]
MONOCOAT**
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