

### Rubio Monocoat FR Oil System (flooring)

Fire-retardant system - European classification for flooring in accordance with the standard EN 13501-1: EN ISO 11925-2 and EN ISO 9239-1

Rubio® Monocoat FR Oil System for parquet flooring is a fire-retardant system that combines a pre-treatment with the fire-retardant Rubio® Monocoat FR Base and a finish with Rubio® Monocoat FR Oil – which is the fire-retardant modified version of Rubio® Monocoat Oil Plus 2C. The system is not film-forming, does not contain any salts and has a limiting effect on smoke development. Thanks to these unique characteristics, Rubio® Monocoat FR Oil System is the first flame-retardant oil system in the world that can present a Bfl-s1 certification on oak (5 mm top layer). Rubio® Monocoat FR Oil System obtained a Cfl-s1 certificate with a 2.5 mm oak top layer.



### PRODUCT INFORMATION

#### › Unique characteristics

- No build-up of layers, no saturation
- No salts, which increases the fire-retardant effect
- Limits smoke development in case of fire
- Doesn't contain solvents or water, 0% VOC
- Available in all standard interior Rubio Monocoat colours
- Manual and industrial application
- Optimal performance: low consumption
- Certificate Bfl-s1 tested according to the standard EN 13501-1: EN ISO 11925-2 and EN ISO 9239-1

#### › Technical features

##### **Rubio Monocoat FR Oil (A)**

- Physical state at 20 °C: liquid
- Odour: oily
- VOC content: 0 g/L

##### **Rubio Monocoat Accelerator (B)**

- Physical state at 20 °C: liquid
- Colour: clear
- Odour: none
- Flash point: > 160 °C (closed cup)
- VOC content: 0 g/L

#### › Packaging

Rubio Monocoat FR Base: can 1 L and 5 L.  
Rubio Monocoat FR Oil 2C: 1.3 L and 3.5 L duo can.

#### › Storage

Rubio Monocoat FR Base can be stored in a dry place for up to 12 months.  
Rubio Monocoat FR Oil can be stored in a dry place for up to 36 months.

#### › Consumption

Rubio Monocoat FR Base: conform the norm:  $35 \text{ g/m}^2 \pm 5$  (= ca.  $25 \text{ m}^2 / \text{L}$ )  
Rubio Monocoat FR Oil: conform the norm:  $16 \text{ g/m}^2 \pm 2$  (= ca.  $50 \text{ m}^2 / \text{L}$ )

*These usages are merely indicative. It is always recommended to make a sample in order to calculate the exact usage.*

#### › Colours

The 40 Rubio Monocoat FR Oil System colours can be found on the next page.

› Colours – on oak



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%



MUD LIGHT



NATURAL



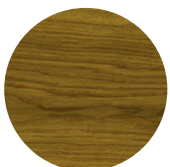
OAK



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%

The colours shown are for reference only and are not binding.

### APPLICATION INFORMATION

#### › Instructions for use

##### Manual application

##### **Rubio Monocoat FR Base**

**STEP 1** Sand the surface and eliminate dust.

**STEP 2** Apply Rubio Monocoat FR Base with a brush or roller. Then polish with a polishing machine with a white pad (polishing rag). Handle zones from 5 to 10 m<sup>2</sup> at a time.

**STEP 3** Allow the surface to dry. The drying time is approximately 12 hours at room temperature (depending on ventilation and humidity).

##### **Rubio Monocoat FR Oil**

**STEP 4** Apply Rubio Monocoat FR Oil with a cotton cloth, a brush (either manually or with a polish machine) or a squeegee (rubber bladed broom) with fleece. Always end the treatment in the direction of the wood. Handle zones from 5 to 10 m<sup>2</sup> at a time.

**STEP 5** Allow the product to react for a couple of minutes.

**STEP 6** Remove the surplus product manually within 15 minutes, either with a cloth or with a polishing machine with a white pad (polishing rag).

**STEP 7** The floor can be walked on after 24 - 36 hours.

##### Mechanical application

##### **Rubio Monocoat FR Base**

**STEP 1** Sand the surface and eliminate dust.

**STEP 2** Apply Rubio Monocoat FR Base with a rubber roller coater or spray.

**STEP 3** Allow the planks to dry in the ventilation unit.

##### **Rubio Monocoat FR Oil**

**STEP 4** Apply the correct amount of Rubio Monocoat FR Oil with a roller coater.

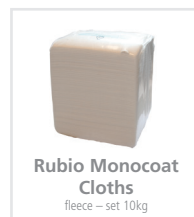
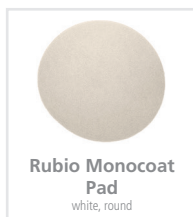
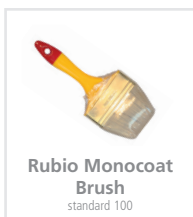
**STEP 5** Allow to dry on storage racks or with an UV drying system.

#### IMPORTANT

Given the specialized character of this system, each project is supervised individually. Contact our services for advice.

Please also consult the technical data sheet of Rubio Monocoat FR Base and Rubio Monocoat FR Oil before application.

#### › Tools



Check the packaging and the safety data sheet for more details.

For our complete assortment of products for the protection and colouring of interior and exterior wood, please visit [www.rubiomonocoat.com](http://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 BV 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: 17/04/2020. Check the safety information before using the product.**



# Rubio<sup>®</sup> MONOCOAT

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