RIGO VERFFABRIEK

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ROYL OIL 1K Clear #4550

Technical Data Sheet



Product description

Solvent-free, saturating and oxidatively drying 1-component oil based on boiled linseed oil and renewable vegetable oils. Suitable for seamless protection and colouring of parquet and wooden floors, wood and veneer work for furniture and interior panelling. One layer is sufficient. Available in base Clear #4550; can be coloured with separate COLOUR PIGMENTS for Oil to create all colours from the Wood and Grey Tones COLOUR FANS, of which the colourcode starts with Cxx. Suitable for indoor use.

Product specifications

	Packaging	Can 1 litre Can 5 litres	
	Area of application	Indoor	
25-40 m²/l	Yield	Depending on the surface 25-40 m^2/l. Please note: If the wood is pre-wetted, the usage is approximately 30% higher.	
	Dilute with	ROYL OIL 1K is ready to use. If necessary, dilute with ROYL Maintenance Oil Clear #9090 or White #9091 on very hard, low-absorbent types of wood and bamboo.	
	Cleaning	Clean spilled material and tools before drying with Linotyn or aromatic-free turpentine.	
10-30 °C	Temperature during application	Room and floor temperature between 10°C en 30°C.	
40-80 %RLV	Relative humidity during application	Between 40% and 80% RH.	
>16-24 h	Resilient after	Light load/walkable after >16-24 hours. At least allow overnight drying. Complete curing after appr 10-14 days. Drying times apply at 20°C, 65% RH with sufficient ventilation. Under unfavorable conditions, take longer drying times into account. Mopping, covering or taping before complete curing may cause damage to the finish.	
	Natural materials Basis Clear	99% by weight	This is the total quantity of renewable vegetable materials + water + mineral materials
	Bio-based carbon compounds Basis Clear	99% by weight	This is the ratio of bio-based materials to the total quantity of bio-based + petroleum-based materials.
	Solid Content Basis Clear	100 vol%.	
	VOC content Basis Clear	No/very few solvents. Meets the Dutch Health and Safety Requirements for professional use indoors.	
	Gloss level	Mat, natural appearance.	
	Colours	Base Clear to create 24 standard colours. See Wood and Grey Tones Colour Fans	
	Density	0,95 kg/l according to ISO 2811.	

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	Fire class	Does not change the fire class of the substrate.
	Smoke class	S1 according to ISO 9239-1:2010
	Anti-slip	Class R10 according to DIN 51130 Class B according to DIN 51097
	Meets	AGBB - Germany Indoor Air Quality Decree – Belgium Interieur A+ - France
	Storage, transport and shelf life	Store and transport in properly closed packaging in a cool, dry and frost-free location. In the properly closed original packaging, this product has a shelf life of at least 12 months. Limited shelf life after opening.

Substrate and preparation

- Ensure the conditions are favourable for the correct application and drying process. Do so well before the actual application starts. This gives you the time and opportunity to make adjustments. Filter incoming sunlight if necessary. Ensure sufficient ventilation during drying. Ensure the product is at room temperature well before use.
- Register the batch numbers of the used products (6-digit number on the packaging).
- Make a test area of the chosen colour on the actual surface first. Make sure that the test surface is sanded identically to the actual wood for a representative colour appearance. If necessary, use a COLOUR SAMPLE.
- The surface must be clean, dry and free of wax, grease and dust.
- Wood must be sanded evenly without prominent scratches. Make sure that the surface does not become too smooth as a result of which the oil and colour cannot penetrate sufficiently.

System process

- Bare sanded surfaces:

1 layer of ROYL OIL 1K #4550, possibly colored with COLOUR PIGMENT #01xx of your choice.
Can also be used as a base for ROYL Rollable Hardwax Oil #4800 and #4850 and ROYL Project Maintenance Oil 2K #4580.
Add no more than 2 pouches of colour pigment to 1 liter of base Clear #4550.

- On existing ROYL finish:

– 1 layer of ROYL OIL 1K #4550 in dosage of 150-200m^2/liter. Use the same combination of base and COLOUR PIGMENT #01xx as the existing finish.
– First scrub the surface with ROYL Intensive Cleaner #9120 and allow it to dry completely before applying the oil.

Note: Do not apply to existing layer of ROYL Rollable Hard Wax Oil #48xx.

Application

Open the can, add COLOUR PIGMENT for Oil if necessary and mix to an even colour. Use a 2.5 liter mixing vessel for easy mixing. If the packaging is processed in parts or multiple packages are required, always first colour the total amount of oil and mix it homogeneously to avoid colour differences.

Spread ROYL OIL 1K thinly over the surface and rub it in, usually combined in one action. Do not apply more oil than necessary to saturate the surface. On an existing ROYL finish, a few drops or a small squirt of oil per m^2 may be sufficient. Leave for about 20 minutes. This only results in an additional waiting time on small surfaces. In case some dry spots remain, apply some extra oil. The rubbing is completed when the entire surface shines evenly satin mat without any dry spots, splashes or puddles of undistributed oil.

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Then wipe the surface completely dry with absorbent, lint-free cloths. The oil must not remain as a film layer on the wood. Rubbing completely dry is essential for a good and even result. Replace saturated cloths when needed with clean dry ones. The surface is sufficiently dried when it can be walked on with clean, dry shoes without leaving footprints or touched with clean, dry hands without leaving fingerprints.

For large surfaces, use a 1-disc polishing machine with a 16" drive disc equipped with a pad. Use a rougher pad (red, beige, blue or green) for rubbing and a white pad with cloths for drying.
Smaller surfaces up to approximately 2m^2 can also be treated manually by using a hand pad, sponge or cloth.

See also the processing film 'ROYL - Tips from the makers' on our website.

Other

- Rub sweating wood types such as wenge thoroughly after a few hours. Repeat if necessary.
- For completely durable application, use ROYL OIL 1K #4550 without COLOUR PIGMENT.
- For outdoor applications, use ROYL Oil Exterior #4570.

Waste

- Please note: Pads, cloths and other materials that have come into contact with oil can combust spontaneously due to overheating. To prevent fire hazard, allow contaminated application materials to dry unfolded or store immersed in water in a closed container.
- Dispose of liquid oil residues and cans with wet oil residues as chemical waste in accordance with the locally applicable guidelines. Completely dried oil residues and dried pads and cloths can be disposed of as residual waste.

Maintenance

Clean with ROYL Mild Cleaner #9110 and/or ROYL Floor Soap #913x. For more information, see the ROYL Oil Maintenance Guide.

Need more information or advice?

For frequently asked questions, please go to www.rigoverffabriek.nl. For immediate advice during office hours, you can call +31 (0)255 548 448, send an email to advies@rigoverffabriek.nl or send a WhatsApp message to +31 (0)6 47 05 78 24. The safety data sheet is available at www.rigoverffabriek.nl under the product – document/factsheets.

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