

SKYLT Original #5510

Technical Data Sheet



Product description:

Water-based 2-component polyurethane parquet lacquer for indoor use. Provides invisible protection and reinforces the original, natural appearance of light surfaces such as parquet, wooden floors, wood and veneer finishes of furniture and interior panelling, Makes surfaces suitable for very intensive use.

Product Specifications

	Packaging	Can + hardener 0,50 litre Bottle + hardener 1 litre Jerrycan + hardener 4 litre
10-12 m ² /l	Average yield	10-12 m ² /L depending on the substrate.
	Mixing ratio A:B	A: 940ml, B: 60ml for 1 litre finished product. A: 940gr, B: 60gr for 1 kg finished product. <i>With the exception of the hardener recognizable by the orange sticker "VERNIEUWDE RECEPTUUR/UPDATED RECIPE" Production July 2021 to January 2022. Detailed processing instructions for this hardener can be found in the appendix.</i>
	Thin with	SKYLT Original #5510 is ready to use.
	Clean with	Any used equipment and spilt materials should be cleaned with plenty of water before it dries. Prevent rinsing water from entering the environment. Once dried, the coat can only be removed mechanically.
	Area of application	Indoor.
A+B <3h	Potlife	Approx. 2-3 hours after mixing, afterwards do not use anymore. Do not seal mixed material airtight.
10-30 °C	Temperature during application	Ambiant and surface temperature between 10°C and 30°C.
40-80 %RLV	Relative humidity during application	Between 40% and 80% RH.
±1h	Dust dry	± 1 hour.
>3-4h	Drying time / can be recoated after at least	Approx. 3-4 hours.
>12h	Resilient after	Resilient against light loads after approx. 12 hours. Fully hardened after 3 days, at 20°C and 65% RH. Ensure sufficient ventilation. Covering/applying tape before fully hardened may damage the finish.

	Solid content	Approx. 32 vol%.
	VOC content	EU limit for this product (Cat.A/i): 140 g/l. This product contains max. 30 g/l VOC. Meets the Dutch Health and Safety requirements for professional use indoors.
	Gloss level	Invisible/ ultra matte.
	pH value	7-8 according to EN ISO 976.
	Wear resistance	Very good.
	Resistant to	Very good resistance to tea, water, alcohol and detergents. Good resistance to hand fats. Resistance to coffee and wine.
	Meets	AGBB/DBT - Germany Indoor Air Quality Decree - Belgium Interieur A+ - France
	Storage, transport and shelf life	Transport and store in properly closed packaging in a cool and dry, frost-free location. In properly closed original packaging, this product has a shelf life of at least 12 months. Limited shelf life after opening.

Substrate and preparation

- Check the application and drying conditions well before application. This gives you the time and the opportunity to take measures. Filter incoming light if necessary. Ensure proper ventilation while 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).
- On unknown substrates, always make a test area first.
- The surface must be clean, dry and free of wax, grease and dust. Wood must be sanded evenly. After the last sanding, carefully remove dust and immediately apply the first layer.

System Composition

- Bare sanded substrates:

Choose from the following possible systems:

- First layer SKYLT Primer #5020 and two layers SKYLT Original #5510.
- First layer SKYLT Recoatable Colour Oil 2K #505x and two layers SKYLT Original #5510.
- 3 layers SKYLT Original #5510.
- If desired, apply an additional optional layer of SKYLT Extra #5300 Topcoat 2K. SKYLT Extra #5300 Topcoat 2K protects, preserves and enhances the natural appearance of SKYLT Original #5510 and prevents gloss streaks. In this case, build the system as follows:
 - 2 layers SKYLT Original #5510 and 1 layer SKYLT Extra #5300 Topcoat 2K.
 - 1 layer SKYLT Primer #5020, 1 layer SKYLT Original #5510 and 1 layer SKYLT Extra #5300 Topcoat 2K.

Before applying the last layer, sand the surface with P120.

- On existing lacquer layers:
 - 1 to 2 layers SKYLT Original #5510.
 - First, clean the substrate with STEP Intensive Cleaner #9200 and sand with P120.
 - Check the adhesion beforehand.

Application

Mix

- Shake the component A firmly for 30 seconds.
- Add the component B and shake firmly again.

- Pour the lacquer through a sieve into a roller tray.

Note: When preparing a part from the complete packaging, always shake the entire packaging of the component A firmly before taking a part of it.

Apply

- Use a microfiber roller with a thickness of 9-11 mm. For the edges and small parts, use a full, long-haired brush. Only use stainless steel or plastic tools.
- Distribute evenly over the floor in strips or sections. Avoid differences in layer thickness. Make wet-on-wet connections.
- Important: apply a full layer of the lacquer; this provides better wetting and flows out optimally.
- Also suitable for spray application.
- Tip for the first layer: apply it in long narrow strips in the longitudinal direction of the wood, without crosscut breaks. Note: with a herringbone floor, do this diagonally. Wet over dry varnishing does not give a colour difference in the end result.

See also the processing film "Tips from the makers" on our website.

Other

- Use SKYLT Titanium #5550 on dark surfaces such as darker oak (eg smoked, reclaimed, thermally treated), cork or a warm tropical wood such as merbau, teak and suar. SKYLT Original gives a light bleaching effect on dark surfaces. If this light bleaching effect is desired, choose SKYLT Original in combination with SKYLT Primer #5020 as the first layer.
- The use of water-based lacquers can cause disruption of the lacquer in the veins of kambala, afzelia, etc. STEP Sealer #6100 Tropical Wood reduces the chance of this disruption but cannot prevent this with a 100% guarantee. A 100% water-free system excludes this. Consider using ROYL oils.
- Prevent iron particles in the wood. If iron particles are suspected, use Iron Contamination Blokker #0091 Additief in the first layer of SKLYT Original #5510. Please note that the oak may colour slightly darker,

Waste

Fluid lacquer residue and jerrycans containing wet lacquer residue should be disposed of as chemical waste. Fully dried lacquer residue and dried rollers and brushes can be treated as general waste.

Maintenance

Clean with SKYLT Conditioner #9140.

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 from www.rigoverffabriek.nl under product - document/factsheets.

APPENDIX

Hardener for SKYLT Original “VERNIEUWDE RECEPTUUR/UPDATED RECIPE”

Technical Data Sheet



Product description:

Component B for SKYLT Original #5510

Production July 2021 - January 2022

Product Specifications

Packaging	Pouch 15ml - for can 0,5 litre Pouch 30ml - for bottle 1 litre Pouch 120ml - for jerrycan 4 litre
Mixing ratio A:B	A: 970ml, B: 30ml for 1 litre finished product. A: 970gr, B: 30gr for 1 kg finished product.

All other technical data are comparable.

Mutual miscibility of hardeners:

Taking into account the point below, all combinations of “old” and “new” are possible:

- Because the new hardener is twice more concentrated, there is slightly less hardener in the pouch and slightly more lacquer in the component A that comes with the “new” hardener. So by combining an “old” hardener with a “new” lacquer, or vice versa, the mixing ratio changes. However, the difference is so small that there is no noticeable technical difference in the final mixed product.
- Mix a bottle/jerrycan with an “old” hardener and a bottle/jerrycan with a “new” hardener in the following way. First add the “old” hardener to one bottle/jerrycan and shake well. Then add the “new” hardener to the other bottle/jerrycan and shake well. Then combine both mixed bottles/jerrycans together and stir well. Note: Do not combine the “old” and “new” hardener in pure form, but add it separately to the A component.
- Always use only one combination per layer of lacquer to avoid optical difference in the surface.

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