



STEP Parquet Lacquer 2K #6560 Satin

Technical Data Sheet



Product description

A- and B- components can be recognized by the orange sticker "VERNIEUWDE RECEPTUUR A+B 72 UUR POTLIFE" (=NEW RECIPE A+B 72 HOUR POTLIFE).

Water-based 2-component polyurethane lacquer based on a bio-based binder and isocyanate-free hardener. Can be combined with STEP Primer Natural #6090 or Warm #6130 for easy and seamless application. Especially suitable for parquet and wooden floors, cork, wood- and veneer- furniture and interior carpentry. Also available in Matte #6550 and Gloss #6540. Makes surfaces suitable for highly intensive use. Suitable for indoor application.

Product specifications

	Packaging	Bottle + hardener 1 litre Jerrycan + hardener 4 litres	
	Average yield	Depending on the surface and coat in the system. 1 st coat approx. 8-10m ² /L = approx. 100-125gr/m ² . 2 nd coat approx. 10m ² /L = approx. 100gr/m ² . 3 rd coat approx 12m ² /L = approx. 80gr/m ² .	
	Mixing ratio A:B	A: 970ml, B: 30ml for 1 litre of ready-to-use product. A: 970gr, B: 30gr for 1 kg of ready-to-use product.	
	Thin with	STEP Parquet Lacquer 2K #6560 Satin New Recipe is ready to use.	
	Clean with	Any used equipment and spilt materials should be cleaned with plenty of water and/or STEP Mild Cleaner #9160. Make sure the rinsing water does not end up in the environment. Once dried, the coat can only be removed mechanically.	
	Application time/potlife	Up to 3 days (72 hours) after mixing in the hardener. Do not use after this period. Clearly mark the mixing date on the packaging of the lacquer once mixed.	
	Temperature during application	Room and surface temperature between 10°C and 30°C.	
	Relative humidity during application	Between 40% and 80% RH.	
	Dust dry	+/- 1 hour.	
	Drying time/can be recoated after at least	Approx. 3-4 hours, at 20°C and 65% RH. Ensure sufficient ventilation.	
	Entire system resilient after	Resilient against light loads after 12 hours. Fully hardened after 3 days, at 20°C and 65% RH. Ensure sufficient ventilation. Mopping/covering/applying tape before fully hardened may damage the finish.	
	Natural raw materials	Approx. 77 wt%	This is the total quantity of renewable raw materials + water + mineral materials.
	Bio-based carbon compounds	Approx. 32 wt%	This is the ratio of bio-based raw materials to the total quantity of bio-based + petroleum-based raw materials.
	Solid content	Approx. 27 vol%.	
	VOC content	EU limit for this product (Cat.A/i) : 140 g/l. This product has a maximum VOC content of 60 g/l. Meets the Dutch Health & Safety Requirements for professional indoor use.	

	Finish	Satin. Between approx. 30 and 40 Gloss Units measured in accordance with ISO 2813 at 60° and 85°, on a flat and inert surface.
	Density	Approx. 1,03 kg/l in accordance with ISO 2811.
	Viscosity	Approx. 28 sec in accordance with ISO 2431.
	pH value	8
	Impact resistance	Suitable for softer types of wood.
	Wear resistance	Highly suitable for rooms with high foot traffic.
	Resistance	Highly stain and dirt resistant. Highly handfat resistant.
	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).
- Wood must be sanded evenly. Indication final grain P120.
- After the final sanding, carefully remove any dust and immediately apply the first coat.
- On unknown substrates, always make a test area first.
- The substrate must be dimensionally stable, clean, dry and free of wax, grease and dust.

System Composition

Bare sanded surface; choose between the following options:

- 1 coat STEP Parquet Primer of choice and 2 coats STEP Parquet Lacquer 2K #6560 Satin.
- 3 coats STEP Parquet Lacquer 2K #6560 Satin.

Before applying the final coat of lacquer, sand the surface with P120.

On SKYLT Recoatable Colour Oil with desired topcoat STEP Parquet Lacquer 2K #6560 Satin.

- 1 coat SKYLT Recoatable Colour Oil and 1 coat SKYLT Original #5510 or SKYLT Titanium #5550.
- Intermediate sanding with P120 or finer.
- 1 coat STEP Parquet Lacquer 2K #6560 Satin.

On existing coats of lacquer:

- 1 or 2 coats STEP Parquet Lacquer 2K #6560 Satin.

First clean the substrate with STEP Intensive Cleaner #9200 and sand with P120.

Check the adhesion beforehand.

Switching to New Recipe

Taking the information below into account, any combination of "old" and "new" is possible.

- The potlife of 3 days/72 hours only applies to the New A / New B combination. All other combinations have a potlife of 2-3 hours. The product should not be used after this period. Make sure not to seal the packaging air tight.
- Old bottle/jerrycan can be mixed with a new bottle/jerrycan as follows:
 - 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.
 - Next, combine both -mixed- bottles/jerrycans and properly stir.
- Always use just 1 combination per coat of lacquer to avoid optical differences on the surface.

Application

Mix

- Briefly and firmly shake the A component.
- Add the B component and shake again firmly for about 1 minute.
- 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 A component briefly and firmly before taking a part of it.

Apply:

- On floors, use a microfiber roller with a thickness of 9-11 mm. For the edges a full, long-haired brush. On small surfaces (furniture), a roller with a thickness of 6-8 mm often works better. Only use stainless steel or plastic tools.
- Apply the first layer on bare wood in the lengthwise direction of the wood. On a herringbone floor, this is diagonally. Do not work (too far) forward along the edges and do not let the lacquer dry. This prevents overlaps.
- Distribute the lacquer evenly in strips or sections. It is important to apply a full layer of the lacquer; this gives more time for making wet-on-wet connections and provides better wetting and flow, and even colouring. Especially with the last layer of lacquer, avoid differences in layer thickness and roll overlaps thoroughly wet-on-wet.

Other

- If you suspect iron contamination on oak and other tannic wood types such as chestnut, walnut, merbau and cork, use STEP Parquet Primer Warm #6130 or Natural #6090 in combination with the additive Iron Contamination Blocker #0091 as the first coat. This prevents the black discolouration of the iron particles by a water-based finish. The addition of the additive can make the wood slightly darker.
- On kambala, afzelia and basralocus, etc., use STEP Sealer #6100 Tropical Wood as the first coat and let it dry for 24 hours to reduce the chance of the lacquer coat being affected by aggressive components from the wood. It is even better to choose a 100% water-free product as the first coat. Consider using ROYL Oil, SKYLT Recoatable Colour Oil or ask for advice.
- Do not allow any plasticiser-containing materials to come into contact with the lacquer coat, as this can cause discolouration.

Waste

Fluid lacquer residue and jerrycons 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 STEP Mild Cleaner #9160. For more information, see the related Maintenance Guidelines.

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.