

Schellack-Produkte

Technical Information

Characteristics: Solutions of wax-free or wax-containing shellac in pure ethanol, partially modified with vegetable oils. Depending on the colour of shellac it's possible to obtain solutions which are named commercially colourless or blonde.

We offer the following products of our range:

Wax-free, pure shellac solution
SCHELLACK-POLITUR colourless (polish)

Wax-containing, oil modified shellac solution
SCHELLACK-MATTIERUNG blonde (matting agent)

A perfect result can only be achieved by carrying out the following instructions.

Area of application: To restore antique furniture and to finish authentically replica of old pieces. The type of working piece and application influences significantly the choice of shellac solution. Regardless of whether it is restoration of antiques, refreshing old furniture or manufacturing new items in vintage look, the working process is always labour-intensive, time-consuming and requires a lot of experience.

Substrates: Antiques that have already been treated with shellac, old article of furniture or fresh wood (mostly walnut, cherry, ash, birch, mahogany, mansonia, Makassar ebony or similar and also root wood), which have been either accentuated by oil-containing paints or primed with **Polirol** (see also corresponding technical data sheet) instead of oil.

Processing: The restoration of antique furniture is the most extensive working process: The complete film build can only be based on shellac. Exception: bare wood (veneer) can be pre-treated with oil. Depending on their condition, antiques are refreshed or completely stripped, cleaned, repaired and repainted with shellac. If using fresh wood for reparations it might be necessary to bleach the wood and to adjust the colour to the vintage shade by staining. Likewise, it might be necessary to adjust the grain pattern on fresh wood by painting.

Cold-pressed raw linseed oil is perfectly suitable for all kind of woods. If using grinding oil (mineral oil) to sand and oil in just one stage it is very important to remove thoroughly the excess oil from especially dark wood in order to avoid a bluish hue after staining.

After the oil application and a drying time of at least 7 days a priming coat with **SCHELLACK-POLITUR** (blonde or colourless, depending on the colour of the wood) is applied. For this purpose the polish is thinned with **Verdünnung Nr. 10** (thinner) and applied in thin coats with a lint-free cloth. Sand slightly after 24 hours, remove completely the dust and start the application of **SCHELLACK-POLITUR**.

Do not apply **SCHELLACK-POLITUR** too thick but only in thin layers. Shellac binds the alcohol for a long time. Therefore when applying a few thick coats, which have been applied quickly one after the other, cracks may occur a few weeks later. When enough layers have been applied, sand, spread and polish to a shine. Open wood grains need possibly to be filled with powdered pumice, which should be done after priming.

Matt surfaces are achieved by **SCHELLACK-MATTIERUNG**, which is applied as final layer. But, because of its wax content, **SCHELLACK-MATTIERUNG** doesn't result in such a hard and resistant surface as the wax-free **SCHELLACK-POLITUREN** do.

Please turn over!



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- Dilution:** **Verdünnung Nr. 10** or pure ethanol are suitable to remove old shellac layers and to apply **SCHELLACK- POLITUR** or **SCHELLACK-MATTIERUNG**.
Don't use other solvents or thinners!
- Spreading rate:** Highly dependent on the number of needed layers and of the individually determined additional amount of thinner. In this case it is impossible to make a general statement.
- Drying time:**
- after priming 24 hours
 - wait at least 6-8 hours after every coating process
 - start finishing after at least 3 days (in each case at 20°C/65% relative air humidity)
- Gloss levels:** Depending on the application method from 1 = glossy to 4 = semi-matt.
- Primer and topcoat:**
- For **antiques:** priming and re-coating solely with **SCHELLACK-POLITUR**, possibly also with **SCHELLACK-MATTIERUNG**.
- For **old furniture:** priming with **SCHELLACK-POLITUR**.
re-coating with **SCHELLACK-POLITUR** resp. **SCHELLACK- MATTIERUNG** or with **POLIROL**.
- For „vintage look“: Re-coating _____ with
POLIROL _____ and
SCHELLACK-POLITUR
resp.
- Cleaning of tools:** **Verdünnung Nr. 10** and subsequently with **Waschlöser Nr. 52**.
- Storage:** **Rosner Shellac-products** can be stored for 2 years in their un-opened original containers.
Shellac is a natural product. Therefore the colour of shellac may become darker during the storage which is not a quality defect.
Due to evaporation of the solvent a rise in viscosity may occur which is neither a defect nor degradation and can be adjusted by **Verdünnung Nr. 10**.
- Special remarks:** Keep all Shellac-products only in glass or plastic containers. Metal containers are inappropriate!
- Please consider:** The product and the recommendations in this technical data sheet correspond to today's state of the art. Our oral and written application recommendations, that are based on years of experience and provided to the best of knowledge, are non-committal and do not establish a contractual relationship and secondary obligation of the sales contract. They do not release the user from his obligation to verify on his own responsibility the existing substrate and the suitability of our products for the intended purpose. In case of doubt, suitability and spreading rate are to be tested by creating a sample. If our products are combined or intermixed with third-party products we cannot guarantee a perfect surface finish. Our general terms and conditions apply.

This technical data sheet replaces all previous versions.

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