



Natureffekt

Technical data sheet

Characteristics: Colourless, very matt two-component lacquer based on polyacrylate resin that does not accentuate the grain and that provides a perfect flow and excellent sandability. Selected UV filters optimally protect the coated substrate against yellowing.
With **Rosner Natureffekt**, the natural character of untreated wood is preserved.
A perfect result can only be achieved by carrying out the following instructions.

Area of application: For upscale furniture construction and interior fittings, especially suitable for painting blond woods and coating bleached surfaces. Also suitable for varnishing children's toys and for wooden objects that may occasionally come into contact with food (only conditional suitability for heavily stressed surfaces).

Substrates: Dry, clean, dust- and resin-free wood, and if stained, perfectly dry and clean surfaces.

Hardener: **DuoCryl Härter**

Mixing ratio: **10** units lacquer : **1** unit hardener by weight or by volume

Pot life: Max. 8 hours at 20°C/65% relative humidity
Exceeding the pot life may cause surface defects.
Attention: Higher material and ambient temperatures reduce the pot life.

Processing: **Rosner Natureffekt** is applied by spraying (gravity spray gun, Airless, Airmix).

| | Airless | Airmix | Gravity spray gun |
|------------------------|-------------------|-------------------|--------------------------|
| Application: | | | |
| Spray pressure: | | | |
| Air pressure: | 80 - 100 bar | 60 - 80 bar | ---- |
| Nozzle size: | ---- | approx. 2 bar | approx. 3 bar |
| Application viscosity: | 0.23 – 0.33 mm | 0.28 – 0.33 mm | 1.6 – 2.0 mm |
| | approx. 25 s/4 mm | approx. 25 s/4 mm | approx. 25 s/4 mm |

Depending on the spray gun in use, deviations concerning spray pressure, air pressure and nozzle size can occur. The temperature for application should not fall below +18°C. This applies also to the substrate.

Not suitable for rolling and brushing.

Dilution: **Rosner Natureffekt** mixed with **DuoCryl Härter** is a sprayable compound.
Depending on the type of application and need, it can be thinned with **DD-Verdünnung Nr. 20**. Use **DD-Verdünnung Nr. 25** (max. 5%) to retard drying.

Spreading rate: Applied Quantity: Approx. 100-120 ml/m² and layer.
Approx. 7-8 m²/l per layer (depending on the absorptivity of the wood and the application method).

Please turn over!

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- Drying time:** Depending on the application method and the applied quantity at room temperature (20°C/65% relative air humidity): sandable and recoatable after approx. 1-2 hours.
Attention: Intermediate sanding must always be carried out immediately before the next coat of paint. Overnight drying increases the filling power of the next coat.
- Gloss level:** Nature effect
- Cleaning of tools:** With **Waschlöser Nr. 52** or **PUG Pinsel- und Gerätereiniger**.
- Storage:** **Rosner Natureffekt** can be stored for 3 years in unopened original containers.
- Special remarks:** **Rosner Natureffekt** must be stirred before processing. Stir the hardener well into the paint and allow 10-15 minutes reaction time before applying the paint-hardener-mixture. **Rosner Natureffekt** is not suitable for surfaces exposed to constant moisture or for those where aggressive cleaners are used. Concerning the wood colour, certain types of precious woods are very light-sensitive. We therefore recommend counteracting by staining or slight varnish colouring.
Even if surfaces treated with **Rosner Natureffekt** are dry and stackable after a short time, the required chemical and mechanical resistance is only achieved after a curing time of 5-7 days (at 20° C/65 % relative air humidity)
DIN 4102-1 (Testing the fire behaviour of materials and building components, Fire classification B1): flame retardant on chipboards – even with veneer – with fire behaviour **DIN 4102-B1** (in combination with Rosner **DuoCryl Härter**).

Tested according to:
DIN EN 71-3: Safety of toys (heavy metal migration).
DIN 53160-1/-2: Saliva and sweat resistance.
- 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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