ROSNER
professional wood coatings

Natureffekt Duro

Technical Information

Characteristics: This colourless, very matt, extremely scratch-resistant two-component lacquer based on polyacrylate resin provides uniform matting without mottling.
A perfect result can only be achieved by carrying out the following instructions.

Area of application: Is used to create a high-quality and durable, very mat coating on wood furniture in kitchens, offices, schools and homes as well as hotel and catering facilities. Suitable for upscale furniture construction and interior fittings. Suitable to coat bright as well as dark woods and substrates.

Substrates: Dry, clean wood free from abrasive dust and resin; if it has been stained perfectly, a dried and cleaned surface is required.

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 ambiance temperatures reduce the pot life. Exceeding the pot life may cause surface defects.

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

Application:	**Airless**	**Airmix**	**gravity spray gun**
Spray pressure:	80 - 100 bar	60 - 80 bar	----
Air pressure:	----	1.0 – 2.0 bar	2.0 – 3.5 bar
Nozzle size:	0.23 – 0.38 mm	0.23 – 0.38 mm	1.6 – 2.0 mm
Spray viscosity:	ca. 25 s/4 mm	ca. 25 s/4 mm	ca. 25 s/4 mm

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

Dilution: **Natureffekt Duro** mixed with hardener **DuoCryl Härter** is a sprayable compound.
Depending on the application mode and if necessary the product can be thinned **DD-Verdünnung Nr. 20**. **DD-Verdünnung Nr. 25 lang (Verzögerer)** (max. 5%) can be used to retard the drying time. **DD-Verdünnung Nr. 15 kurz** (max. 10%) can be used to accelerate the drying time.

Spreading rate: Applied quantity: Approx. 100-120 ml/m^2 and layer.
Approx. 8-10 m^2/l per layer (depending on the absorptivity of the wood and application method).

Drying time: Depending on the application method and the applied quantity at room temperature (20°C/65% relative humidity): Sandable and recoatable after approx. 2-3 hours.

Attention: Intermediate sanding must be carried out immediately before applying the lacquer. Drying overnight increases the filling capacity of the subsequent coating.

Please turn over!

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Gloss level: Natural effect

Cleaning of tools: With **Waschlöser Nr. 52** or **PUG P**insel- **u**nd **G**erätereiniger.

Storage: **Natureffekt Duro** can be stored for 3 years in unopened original containers.

Special remarks: **Natureffekt Duro** must be stirred before use. Add the hardener and stir in well. Allow this mixture to react 10-15 minutes before use.
Even if surfaces treated with **Natureffekt Duro** 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 (20°C/ 65% relative air humidity).

Tested according to:
DIN EN 71-3: safety of toys (migration of certain elements).
DIN 53160-1/-2: Saliva and perspiration resistance.
Tested according to the Oddy test (material compatibility for display cases or cabinets containing museum objects).

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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