RoCryl HS

Technical Information

Characteristics:

High performance two components clearcoat based on polyacrylate resin. Fast drying, excellent light fastness, high filling power as well as a high solid content.
Best results are obtained according to the precision of the application. Please consider the recommendations given below.

Area of application:

RoCryl HS is intended for high quality and hard wearing ennoblement of the wood. Highly versatile application for doors, kitchen, office, school and living quarters, for hotel and public house furniture.
With **RoCryl HS** a closed-cell surface of very pleasant touch will be obtained.

Substrates:

Dry, clean, and free of resin. When stained, the surface to be treated must be completely dry and clean. The substrate must be sound and firm.

Hardener:

DuoCryl Härter or **DuoCryl Härter kurz.**

Mixing ratio:

2 units lacquer : **1** unit hardener by weight or by volume
+ **10 % DD-Verdünnung Nr. 20**

Pot life:

2 hours at 20°C/65% relative air humidity.
Attention: If the material is used beyond the recommended pot life, the appearance of the surface should suffer. Reduced pot life by higher material and environment temperatures.

Processing:

RoCryl HS is applied by spraying (gravity spray gun, Airless, Airmix).

Application:	**Airless**	**Airmix**	**gravity spraygun**
Spray pressure:	120 - 150 bar	60 - 80 bar	----
Air pressure:	----	1.5 - 2.0 bar	1.8 - 3.5 bar
Nozzle size:	0.22 - 0.28 mm	0.22 - 0.28 mm	1.6 - 2.2 mm
Spray viscosity:	approx. 17 - 25 s/4 mm	approx. 17 - 25 s/4 mm	approx. 17 - 25 s/4 mm

The spraying parameters may be considered a guide in connection with choice of spraying equipment, spraying pressure, air pressure and jet size. In case of Airmix / Airless application, always test for proper type of equipment before use.
Recommended processing temperature: minimum +18°C; this is also valuable for the substrate. Protect fresh treated surfaces against dust, spraying mist and air draught.
Not suitable for roller coating, brushing and flow coating.

Dilution:

Dilute with up to 20 % **DD-Verdünnung Nr. 20** in connection with choice of appliance and working method. **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.
To provide high gloss surfaces it is recommended to use only **DD-Verdünnung Nr. 25 lang (Verzögerer)**, addition up to 20%.

Spreading rate:

Applied quantity: Approx. 100-110 ml/m².
Approx. 9-10 m²/l per layer (depending on substrate absorption and application method).

Please turn over!

ROSNER professional wood coatings
A trademark of
MIPA SE
Am Oberen Moos 1
D-84051 Essenbach
Tel.: +49 8703 92 20
Fax: +49 8703 92 21 00
E-Mail: info@rosner-coatings.com
www.rosner-coatings.com

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Drying time:

Depending on application method and quantity of material applied by room temperature (20°C/65% relative air humidity):
- dust dry after approx. 10 minutes.
- set to touch after approx. 2 hours.
- sandable and recoatable after approx. 3 hours.
- polishing after approx. 16 hours.

Primer and topcoat:

Use **RoCryl HS** both as basecoat and as finishing coat.

Cleaning of tools:

Waschlöser Nr. 52 and **PUG P**insel- **u**. **G**erätereiniger.

Storage:

RoCryl HS has a shelf life of at least 3 years and the hardener has a shelf life of at least 2 years, if stored in tightly closed original containers.

Special remarks:

The use of **DuoCryl Härter kurz** accelerates the drying of the paint layer and is recommended to provide a fast pile capacity but the fastness of the areas is weaker compared with **DuoCryl Härter**. **DuoCryl Härter** provides especially in the range of white colours a high fastness. With this product it is possible to mix neon colours, which can then be applied as a single layer coating. For this purpose, the technical data sheet "**Rosner Neon-Farbtöne**" must be observed.

Even if the surfaces treated with **RoCryl HS** are dry and pilable after short time, nevertheless the required chemical and mechanical resistance is first secured after a drying time of 5-7 days (20°C/65% RH).

For Decopaint conform application use **RoCryl HS** together with **DuoCryl Härter** or **DuoCryl Härter kurz** and **DD-Verdünnung Nr. 20** or **Nr. 25 lang (Verzögerer)** (addition 10%) VOC compliant (cat. A/j: 500 g/l [4.17 lbs/gal] (2010); VOC in application form < 500 g/l).

Tested according to:
DIN 68861-1 (behaviour by chemical exposure): Strain class 1B.
DIN 4102-1 (examination of fire behaviour regarding Baustoffklasse B1): Low flamma-bility on chipboards - also veneered - regarding fire behaviour classification **DIN 4102-B1**.

Please consider:

The product and the references in this Product Information correspond to today's state of the art. Our application technology recommendations in word and writing, which we give due to our experience after best knowledge, are noncommittal and justify no contractual legal relation and no additional obligation from the sales contract. They do not release the user from his obligation to check the existing underground and the suitability of our products for the intended purpose with own responsibility. In case of doubt suitability and quantities consumed are to be examined by creating a sample surface. When merging other products with our own products or in common processing with foreign manufactured products we cannot guarantee a perfect final result of the surface. During the processing of our products the contracting regulations for building works and supplies (VOB) is to be considered. Our general terms of payment and supply are in force.

With this technical information all previous lose their validity.

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Fax: +49 8703 92 21 00

E-Mail: info@rosner-coatings.com
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