

# RoCryl Color ringfest

## Technical Information

**Characteristics:** High-quality, fast drying two-component coloured lacquer based on polyacrylate resin. Excellent light fastness, filling power and wetting of wood pores. **RoCryl Color ringfest** does not need to be coated with a transparent topcoat. In order to improve the durability and to adjust the gloss level, use **DuoCryl System** for recoating. The **RoCryl Color ringfest mixing system** consists of a colourless base lacquer and a total of 17 base colours. Never add more than 20% of base tinter to base lacquer. A perfect result can only be achieved by carrying out the following instructions.

**Area of application:** It is intended for high-quality, resistant and coloured coatings of furniture in kitchen, offices, schools and home furnishings as well as hotel and catering facilities. Also suitable for colour coatings on glass substrates.  
**RoCryl Color ringfest** can perform coloured coatings accentuating wood structures and on closed-cell substrates coating effects similar to flatting varnish.

**Substrates:** The substrates must be perfectly dry, clean and prepared correspondingly to the desired effect. The substrate must be stable.

a) Coating system for open-cell surfaces:

Coarsely porous wood and veneers with distinct structure are especially suited as open-cell, structure accentuating surfaces such as e.g. oak, ash, kalopanax pictus and similar.  
 For an open-cell coating system we recommend adding at least **20%** of **DD-Verdünnung Nr.20** (thinner) depending on the wood type.

b) Coating system similar to flatting lacquer:

For surfaces similar to flatting lacquer we recommend MDF boards with or without primer foil. Adheres on most plastic materials. (Test the adhesion!).

**Hardener:** **DuoCryl Härter**  
 If direct application on glass is desired, the hardener **RoCryl Glashärter** must be added (see technical datasheet Rosner Glasbeschichtung).

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

**Pot life:** max. 8 hours at 20°C/65% relative air humidity.  
 Exceeding the pot life may cause surface defects.  
Attention: The pot life is reduced by higher temperatures of the object and ambiance.

**Application:** **RoCryl Color ringfest** is applied by spraying (gravity spray gun, Airless, Airmix).

Application:	Airless	Airmix	gravity spray gun
Spray pressure:	60 - 80 bar	50 - 60 bar	---
Air pressure:	---	1.5 - 2 bar	2.5 – 3.5 bar
Nozzle size:	0.23 – 0.33 mm	0.23 – 0.33 mm	1.6 – 2.0 mm
Spray viscosity: (depending on the effect)	ca. 21-50 s/4 mm	ca. 21-50 s/4 mm	ca. 21-50 s/4 mm

Please turn over!



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Depending on the used spray gun, deviations concerning spray pressure, air pressure and nozzle size can occur. The temperature for application should be not less than +18°C. This also applies to the substrate. Not suitable for roller and brush application. The product needs to be adjusted for applications with curtain coater.

- Dilution:** **RoCryl Color ringfest** mixed with hardener **DuoCryl Härter** or **RoCryl Glashärter** is a sprayable compound. Depending on the processing method and the need it can be thinned with **DD-Verdünnung Nr. 20**. **DD-Verdünnung Nr. 25** (max. 5%) can be used to retard the drying time.
- Spreading Rate:** Applied quantity: Approx. 80-150 g/m<sup>2</sup>.  
Approx. 7-12 m<sup>2</sup>/l per layer depending on the application method and the absorptive capacity of wood.
- Drying time:** Depending on the application method and the applied quantity at room temperature (20°C/65% relative air humidity):  
- set to touch after 30 minutes  
- sandable and recoatable after 1-2 hours
- Primer and topcoat:** **RoCryl Color ringfest** is used as primer as well as top coat. In case of strong colour contrast to the substrate, we recommend to apply a 3-layer coating of **RoCryl Color ringfest** or to prime with **PUR-Isolierfüller** or **Rosner Isolierfüller Rapid**.
- Storage:** **RoCryl Color ringfest** can be stored at least 3 years in tightly closed original containers and the hardener at least 2 years.
- Special remarks:** Even if the surfaces treated with **RoCryl Color ringfest** are dry and stackable after a short time, the required chemical and mechanical resistance is only achieved after a drying time of 5-7 days (20°C/65% relative air humidity). Stir well before use by using a machine (e.g. drill machine). 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

Tested according to:

**EN 13501-1:** Fire classification of construction products and building elements:

B - s2 - d0 (reaction to fire – smoke production – flaming droplets / particles)

Classification report Nr. 408.654).

**DIN 4102-1** (test to determine the fire behaviour to prove the classification B1): Difficult to ignite on chipboards – even with veneer – with fire behaviour **DIN 4102-B1** (in combination with **DuoCryl Härter**).

**DIN 68861-1** (behaviour at chemical influence): Stress group 1B

**DIN 53160-1/-2:** Saliva and perspiration resistance.

**DIN EN 71-3** Safety of toys (Migration of heavy metals).

**ISEGA certificate 56703 U 22:** Harmless as a coating for surfaces in direct contact with foodstuffs that are exclusively dry and non-greasy (in accordance with LFGB para. 30/31 and EC No. 1935/2004).

Please turn over!



**ROSNER**  
professional wood coatings

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**Please consider:**

The product and the recommendations in this technical data sheet correspond to today's state of the art. Our application technology recommendations oral and in writing, which we give due to our experience to the best of our knowledge, are non-committal and do not constitute a contractual legal relation and additional obligation of 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 on his own responsibility. In case of doubt, suitability and consumption rate are to be tested by creating a sample. When merging other products with our own products or processing with foreign manufactured products we cannot guarantee a perfect final result of the surface. Our general terms of payment and supply are in force.

With this technical information all previous lose their validity.

Edited 04/22