

Innolux Topcoat RC EXC

2771

UV topcoat for roller application for use with Excimer technology in furniture and interior finishing, for industrial use

PRODUCT DESCRIPTION

General

Highly reactive UV topcoat for roller application for Excimer curing; very good chemical and mechanical resistance. Very matt and highly scratch-resistant surfaces.

Special properties and standards



- **ÖNORM A 1605-12 (furniture surfaces)**
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-C ($\geq 1,5$ N)



- **DIN 68861 (furniture surfaces)**
Part 1: Response to chemical stress: 1 B
Part 2: Response to abrasion: 2 D (> 50 to ≤ 150 U)
Part 4: Response to scratches: 4 C (> 1.5 to ≤ 2.0 N)



- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate: flame-retardant, Q1, Tr 1



- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties

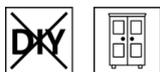


- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+

Application area

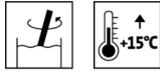


For industrial series coating of furniture components with a dull matt surface.

For coating surfaces that are subject to heavy wear in furniture and interior finishing, e.g. hotel and school facilities, kitchen and bathroom furniture. Areas of application II – IV in accordance with ÖNORM A 1610-12.

PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.
- Please observe our **ARL 210 - Working guidelines for Innolux coating systems**.

Application technique



	Roller coater
Applying device	Special rolling mill
Viscosity 6-mm-cup (s)	50 - 60
Applied quantity per application (g/m²)	10 - 20

The product is ready to use.

Accurate values for consumption must be obtained by applying trial coats in advance.

UV curing



	Feed Partial		
	gelling	Excimer	Curing
Suitable source of UV radiation (LED, Ga or Hg)	7 - 15 m/min		
Excimer lamp		7 - 15 m/min	
Hg lamp 120 W/cm			7 - 15 m/min

Avoid direct sunlight!

Example:

20 g/m² Innolux Topcoat RC EXC (2771) with roller coating machine

2 - 3 min flash-off

Partial gelling with LED (395 nm, 16 W), feed 10 m/min

Creation of folds with Excimer lamp (172 nm, feed 10 m/min)

Curing with 2 Hg lamps (120 W/cm, feed 10 m/min)

Cleaning the working equipment



8501

With Waschverdünner (8501) immediately after use.

SUBSTRATE

Type of substrate

Melamine resin boards

Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

COATING SYSTEM

Primer coat

1 x Innolux Haftpromotor S (2704)

Primer coat (optional)	Standard: 1 – 2 x Innolux Walzgrund (2736)
Intermediate sanding 	Optional, only if a primer is applied. Grit size 320 – 400 Remove sanding dust. Avoid sanding straight through!
Topcoat	1 x Innolux Topcoat RC EXC (2771)
CLEANING AND MAINTENANCE	
Cleaning and Maintenance	Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).
ORDERING INFORMATION	
Size of trading unit	25 kg
Colour shades / Glosslevels	Innolux Topcoat RC EXC G05 (2771000105)
Supplementary products	Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) Innolux Haftpromotor S (2704) Innolux Walzgrund (2736) Waschverdünner 8501 (8501) Please refer to the corresponding technical data sheets of the products.
FURTHER DETAILS	
Durability / storage  	Min. 9 month(s) in the original sealed containers. Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C). Close opened containers well and use up the content as soon as possible.
Technical specifications	Delivery viscosity: 50 – 60 seconds according to DIN 53211 (6 mm measuring cup, 20 °C)
Safety information 	The product is only suitable for industrial use. Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com .