

Innolux Top KR

2778

Highly reactive UV roller topcoat for industrial coating of finished parquet elements (incl. cork) and furniture.

PRODUCT DESCRIPTION

General

Highly reactive UV roller topcoat with special additive to improve abrasion; very good chemical and mechanical resistance, non-yellowing.

Special properties and standards



- **ÖNORM A 1605-12 (furniture surfaces)**
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-C (≥ 150 U)
Response to scratches: 4-C (≥ 1.5 N)
Flame treatment: 5-B (highly non-flammable furniture surfaces)



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



- **DIN 68861 (furniture surfaces)**
Part 1: Response to chemical stress: 1B
Part 2: Response to Abrasion: 2 C (> 150 to ≤ 350 U)
Part 4: Response to scratches: 4 D ($> 1,0$ to $1,5$ N)



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

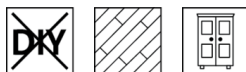


- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



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

Application area



For the large-scale industrial coating of ready-made parquet elements. (incl. cork)

For the coating of furniture and interior finishing exposed to high levels of stress, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II to 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.
- For an optimal surface quality, it is beneficial to apply the coating in 2-3 and the topcoat in 2 roller coating steps. Intermediate gelling is recommended if applying more than one coat with a roller.
- 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	Roller coating machine
Applied quantity per application (g/m²)	3 - 6
Total quantity applied (g/m²)	max. 12

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

UV curing



Immediate **UV-curing** without flashing off previously:

	Feed	
	Intermediate gelling	Curing
Hg radiator 80 W/cm	10 - 14 m/min	5 - 7 m/min
Hg Radiator 120 W/cm	12 - 16 m/min	7 - 10 m/min

Avoid direct sunlight!

Cleaning the working equipment



With Waschverdünner (8501) immediately after use.

SUBSTRATE

Type of substrate

Hard and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre 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.

Substrate preparation

Calibration sanding

Hardwoods: Wood sanding Grit size 150 – 180

Softwoods: Wood sanding Grit size 120 - 150

COATING SYSTEM

Primer coat 1 x Innolux Walzgrund Farblos (2736000200)

Intermediate sanding



Grit size 320 – 400
Remove sanding dust.
Avoid sanding straight through!

Topcoat

3 – 6 g/m² Innolux Top KR (2778)

For an optimal surface quality, it is beneficial to apply the topcoat with 2 roller coating units connected in series, whereby intermediate gelling takes place after the 1st application and curing takes place after the 2nd application.

Example:

1 x 4 g/m² with reversing dosing roller

Intermediate gelling with 1 Hg radiator 80 W/cm, feed rate 10 m/min

1 x 4 g/m² with reversing dosing roller

Curing with 2 Hg radiator 80 - 120 W/cm, feed rate 10 - 14 m/min

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 Top KR G05 (2778000105)

Supplementary products

Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
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.
Protect against the sun.

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.