

Innolux Mehrschichtlack

2790

UV multicoat varnish for roller application, for industrial coating in furniture and interior finishing

PRODUCT DESCRIPTION

General

Highly reactive UV multicoat varnish for roller application, formulated with unsaturated acrylate resins. "Varnish on varnish" system for the industrial series coating of furniture surfaces that will be subjected to heavy wear and which are suitable for roller application due to the flat shape of the workpieces. Very good grain accentuation, easy to sand, very good chemical and mechanical resistance.

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-D (≥ 1.0 N)
Flame treatment: 5-B (hardly inflammable furniture surface)



- **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: 1-B
Part 2: Response to abrasion: 2 D (> 50 to ≤ 150 U)
Part 4: Response to scratches: 4 E (> 0.5 to ≤ 1.0 N)



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



- **Declared in baubook**
Product has been declared and validated

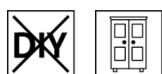


- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



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

Application area



For the 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.

1-1 IMC 2790 | 09/25 | replaces 1-0

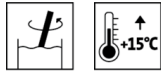
ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

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	Roll coating machine
Applied quantity per application (g/m ²)	15 -25*/ 4-6**
Total quantity applied (g/m ²)	max. 120

*Primer

** Topcoat

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



8501

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: Grit size 150 - 180

Softwoods: Grit size 120 - 150

COATING SYSTEM

Primer coat 25 – 50 g/m² Innolux Mehrschichtlack (2790) depending on the desired substrate and body
For an optimal surface quality, it is a good idea to apply the primer with three roller coating units connected in series, with partial gelling after the 1st and 2nd applications, and full curing after the 3rd application.

Intermediate sanding



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

Topcoat

6 – 10 g/m² Innolux Mehrschichtlack (2790) depending on the desired substrate and body
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.

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
More sizes on request.

Gloss levels

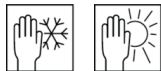
Innolux Mehrschichtlack G07 (2790000107)
Innolux Mehrschichtlack G10 (2790000110)
Innolux Mehrschichtlack G30 (2790000130)
Innolux Mehrschichtlack G50 (2790000150)

Supplementary products

Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
Waschverdünner 8501 (8501)
Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 1 year(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: 75 – 90 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.