Innolux Mehrschichtlack 2790

UV multi-layer roller paint for industrial painting in **furnishing and interior design**
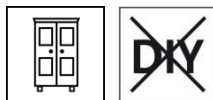
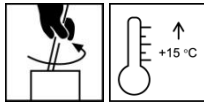| PRODUCT DESCRIPTION	
General	Highly reactive UV multi-layer roller paint based on unsaturated acrylate resins. "Paint-on-paint" system for the large-scale industrial coating of heavy duty furniture surfaces, which due to their flat workpiece shape are suitable for rolling. Very good grain accentuation, good sanding properties, very good chemical and mechanical resistance.
Special properties and standards	• **ÖNORM A 1605-12** (furniture surfaces) Resistance to chemical effects: 1-B1 Response to abrasion: 2-D ($\geq$ 50 U) Response to scratches: 4-D ($\geq$ 1.0 N) Flame treatment: 5-B (difficult to ignite furniture surface) • **ÖNORM A 3800-1** (fire behavior) in conjunction with a flame-retardant substrate: flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1 • **DIN 68861** (furniture surfaces) Part 1: Response to chemical stress: 1 B Part 2: Response to abrasion: 2 D (over 50 to 150 U) Part 4: Response to scratches: 4 E (> 0.5 bis ≤ 1.0 N) • **Baubook:** meets all the criteria in the Baubook database, area of coatings for wood, metal or plastics (indoors) • **ÖNORM S 1555** or **DIN 53160** perspiration and saliva-proof properties • **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals) • **French ordinance DEVL1104875A** regarding the 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 groups II – IV in accordance with ÖNORM A 1610-12. • For highly non-flammable or flame-retardant structures.

PROCESSING

Instructions for use

- 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 primer in 2-3 and the topcoat in 2 roller painting steps. Intermediate gelling is recommended if applying more than one coat with a roller.

- Please observe our "**Working guidelines for UV roller paint systems**".

Application technique

Application method	Rolling
Roller type	Roller painting machine with reversing dosing roller
Dilution (thinning)	ADLER UV-AC-Walzlackverdünnung 80075
Thinner amount added in %	Undiluted up to 5 % max.
Viscosity (s) 6-mm cup, 20°C	90 ± 10
Application quantity (g/m²)	Primer: approx. 15 - 25 per application; Topcoat: approx. 4 - 6 per application; Total application amount max 120

The shape, the properties and moisture of the substrate affect the consumption / yield. Accurate values for consumption must be obtained by applying trial coats in advance.
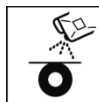
Drying conditions

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

Cleaning the working equipment

With ADLER Waschverdünnung 80072.

SUBSTRATE

Type of substrate

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

Substrate property (or condition)

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.

Preparation of the substrate

Calibration sanding

Hardwoods: Grit size for sanding the wood 150 - 180
Softwoods: Grit size for sanding the wood 120 - 150

COATING SYSTEM

Primer coat

25 - 50 g/m² Innolux Mehrschichtlack 2790 000107 ff, depending on the required body

For an optimal surface quality, it is beneficial to apply the primer with 3 roller painting units connected in series, whereby interim gelling takes place after the 1st and 2nd application and curing takes place after the 3rd application.

Example:
1 x 20 g/m²
Interim gelling with 1 Hg radiator 80 W/cm, feed rate 10 m/min
2 x 15 g/m² wet-in-wet
Curing with 2 Hg radiator 80 W/cm, feed rate 10 m/min

Intermediate sanding

Grit size 320 - 400

Avoid sanding straight through!

Applying the topcoat

6 - 10 g/m² Innolux Mehrschichtlack 2790 000107 ff
For an optimal surface quality, it is beneficial to apply the topcoat with 2 roller painting units connected in series, whereby interim 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
Interim 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 CARE

Cleaning and care

Cleaning with ADLER Clean Möbelreiniger 96490.

Care with ADLER Clean Möbelpflege 96491.

Please observe the respective technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

25 kg

Colour shades/degree of gloss

G7 Naturmatt (natural matt)2790 000107
G10 Stumpfmatt (dull matt)2790 000110
G30 Matt   2790 000130
G50 Halbmatt (semi-matt)2790 000150

Supplementary products

ADLER UV-AC-Walzlackverdünnung 80075
ADLER Waschverdünnung 80072
ADLER Clean Möbelreiniger 96490
ADLER Clean Möbelpflege 96491

FURTHER DETAILS

Durability / storage

At least 6 months in the original sealed containers.

Protect paint material from light.

Technical specifications	Delivery viscosity	90 1±10 s according to DIN 53211 (6-mm cup, 20°C)
Safety-related information		Please pay attention to the associated safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.