

ADLER Aqualux MSL

29031 ff



Description

It is a water-thinnable clear coat for wood based on UV cross-linkable polyurethane and poly-acrylate emulsions with distinctive initial physical drying. Excellent mechanical and chemical resistance, outstanding transparency, and good firmness on vertical surfaces as well as very good filling power.

Resistance to chemical reactions	
ÖNORM A 1605-12 - Test 1	Rating category 1-B1
Response to abrasion	
ÖNORM A 1605-12 - Test 2	Rating category 2-D (≥ 50 U)
Response to scratches	
ÖNORM A 1605-12 - Test 4	Rating category 4-D (≥ 1,0 N)
Resistance to flame treatment	
ÖNORM A 1605-12 - Test 5	Rating category 5-B (Flame-retardant furniture surface)
ÖNORM A 3800-1 (formerly B 3800-1) (in combination with a highly non-combustible substrate)	Flammability class Flame-retardant (formerly B 1)
	Smoke production class Q 1 (smouldering)
	Drop formation class Tr 1 (non-drip)

Areas of application

For industrial large-scale coating of all furniture surfaces exposed to high levels of stress including items used in office, kitchen and sanitary areas. It is suitable for highly non-flammable or flame-retardant structures.

Processing

ADLER Aqualux MSL is primarily meant for the “coat on coat” method of application. You can get optically appealing and qualitatively high-class furniture surfaces by applying a spray two times with appropriate intermediate sanding.

Delivery viscosity	Approx. 200 sec. according to DIN 53211 (4 mm cup, 20 °C)
Processing viscosity	Airless / Air mix-spraying (0.23 - 0.33 mm nozzle, 100 - 120 bar / 1 - 2 bar) approx. 200 sec. – without thinning
	Compressed air spraying (1.8 mm nozzle, 3 - 4 bar) Approx. 150 sec. – diluted, with approx. 5 % water
Quantity to be applied	100 - 120 gm/m ² per coat; total quantity to be applied: max. 450 gm/m ²

12-09 (supersedes 11-09)

b.w.

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for modification of the container sizes, colour shades and degree of gloss.

Drying conditions	Evaporation of the water 35 - 45 min. belt-type pallet dryer (maximum temperature 50 °C) or 15 - 20 min. flat-bed dryer (maximum temp. 50 °C, air speed approx. 2 m/sec.) UV curing: Feed 2 - 3 m/min./UV high-power radiation-curing system 80 - 120 W/cm The drying times given above are to be treated as reference values and need to be adapted to the respective type of dryer and shapes of work-pieces being used.
Minimum working temperature	The temperature of the paint and object, and the room temperature must be at least + 15 °C.
Intermediate sanding	Grain size 320 - 400

ADLER Aqualux MSL is characterised by good transparency and grain accentuation of the wood substrate. If a higher level of grain accentuation is desired on dark woods, they should be stained before applying the coat.

The **Oak type of wood** contains wood extractives soluble in water, which are activated by applying a finishing coat with water-based paints. Depending on the origin of the wood, there may be differently pronounced discolouration (greenish cast) if the painted surfaces are exposed to daylight. Hence, we recommend applying a prime coat with **ADLER Aqualux-Grund 29003** when painting **Oak wood** and **other types of wood that are rich in extractives**.

Please take note of and follow our "**Working guidelines for water-thinnable wooden paints / lacquers**" as well as our **safety data sheet**.

Other Instructions

Dilution (thinning)	Water
Storage stability	6 months - keep away from frost or direct sunlight

Degree of Gloss

G10	Dull matt	29031
G30	Matt	29033
G40	Matt G40	29034
G50	Semi-matt	29035
G65	Silky matt	29036

Container sizes

25 kg, 120 kg