

ADLER UV-AC-Walzgrund **28213**

Highly reactive UV-Walzgrund (roller primer coat) **for industrial use**

PRODUCT DESCRIPTION

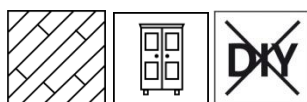
General Highly reactive UV-Walzgrund (roller primer coat) with excellent filling power, very good permanent elasticity and very high mechanical resistance.

Special Properties Testing Standards

- **ÖNORM A 3800-1** (Fire behaviour) in conjunction with a flame-retardant substrate:
highly non-combustible or flame-retardant (formerly B 1 in accordance with B 3800 -1), Q1, Tr 1
- **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 (highly non-flammable furniture surfaces)
- **ÖNORM EN 71-3** "Safety of toys; Migration of certain elements" (free of heavy metals)
- **ÖNORM C 2354** (Wooden floorings): Stress category A, B and C by respecting the structures indicated in the technical data sheets.
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



Areas of application



- Industrial large-scale coating UV-curing roller primer coat for furniture, ready-to-lay parquet elements and floor boards.

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.
- Protect the product from light irradiation and insolation!
- For moderate stressed sealing's of floor-boards (stress category A according to ÖNORM C 2354) we recommend a dry film

thickness of 40 - 45 µm. This thickness can be realized with the proposed applying quantity.

- For extremely stressed sealings of floor boarding's (stress category B according to ÖNORM C 2354) we recommend a minimum dry film thickness of 60 µm. You must strictly adhere to a minimum dry film thickness of 80 µm for extremely stressed coatings (stress category C according to ÖNORM C 2354).
- Please follow our „**Working guidelines for UV-Walzlacke**“.

Application technique



Application method	Rolling
Roller type	Roller painting machine with reversible dosing roller
Dilution (thinning)	ADLER UV-AC-Walzlackverdünnung 80075
Thinner amount added in %	Undiluted until a maximum of 5 %
Viscosity (s) 6 mm cup, 20°C	90 ± 10
Application quantity (gm/m ²)	Complete application quantity: furniture: 25 - 50 g/m ² floor boards, parquet: 50 - 90 g/m ² depending on the desired fullness

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

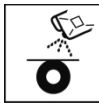
Drying conditions



Immediate UV-hardening without prior flash-off:

	Feed rate	
	Intermediate gelatinisation	Hardening
UV high-power radiation-curing system 80 - 129 W/cm	10 – 14 m/min	5 – 7 m/min

Cleaning the tools and equipment



With ADLER Waschverdünnung 80072.

SUBSTRATE

Type of substrate

Hardwood and softwood

Substrate property (or condition)t

The substrate must be dry, clean, stable, free of grease and wax and free from wood dust.

Preparation of the substrate

Calibration grinding:

- **Hardwood:** sanding using grain size 150 – 180
- **Softwood:** sanding using grain size 120 – 150

For extremely stressed surfaces such as floors (coin-test) the grinded wooden surface can be pre-primed with 12 - 15 g/m² ADLER Aqualux-Haftgrund 29010.

To fill the wooden joints ADLER UV-AC-Walzspachtel is available in

the requested wood colour 28014 et ff
(application quantity 30 - 35 g/m²).

Please follow the respective technical data sheets of the products.

COATING SYSTEM

Primer coat

UV-AC-Walzgrund 28213

For an optimal surface quality it is beneficial to apply the prime coat using 3 roller painting aggregates connected in series in doing an intermediate gelatisation between the first and second application and hardening after the third application.

Intermediate sanding



Furniture:

Grain size 320 - 400 and Scotch-Brite-Walze

Floor boards, parquet:

Grain size 280 - 320 and Scotch-Brite-Walze

Avoid sanding straight through!!

Topcoat

Furniture:

ADLER UV-AC-Walzdecklack 28371 et ff

Floor boards, parquet:

ADLER UV-AC-Walzdecklack Antiscratch 28297 et ff;
always in the desired gloss level.

Please follow the respective technical data sheets of the products.

NOTES ON ORDERING

Trading units

25 kg

Supplementary products

ADLER Aqualux-Haftgrund 29010

ADLER UV-AC-Walzspachtel 28014 et ff

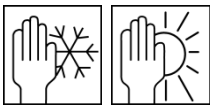
ADLER UV-AC-Walzlackverdünnung 80075

ADLER UV-AC-Walzdecklack 28371 et ff

ADLER UV-AC-Walzdecklack Antiscratch 28297 et ff

OTHER INSTRUCTIONS

Storage stability / Storage



At least 4 month in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight, frost and high temperatures.

Technical Specifications

Delivery viscosity 120 ± 10 s according to DIN 53211
(6-mm-cup, 20° C)

Safety-relevant information



Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at www.adler-lacke.com.