

ADLER Print-Protect UV+ SQ

5171

Satin matt 2-component clear coating as a protective coating for printed surfaces
System-matched for use in combination with ADLER Print-Primer SQ

PRODUCT DESCRIPTION

General

Water-based, satin matt and non-yellowing 2-component clear coating with a protective function for printed surfaces in exterior and interior applications. The product is characterised by excellent weather and UV resistance, high scratch resistance and high chemical resistance.

Special properties and standards



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



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



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

Application area

For coating printed substrates made of aluminium, wood and coatable plastics..



PROCESSING

Processing instructions



- Please stir the product before use. Prevent introduction of air while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not close containers with hardened material.
- When changing from ADLER Print-Protect UV+ SQ (5171) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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. Deviations lead to film and adhesion

problems as well as to impairments with regard to weathering and color stability.

Blending ratio



100 part(s) by weight ADLER Print-Protect UV+ SQ (5171)
14 part(s) by weight Aqua-Hardener 8450 (8450000210)

ADLER Print-Protect UV+ SQ (5171) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing.

After addition of hardener, a waiting time of approx. 10 minutes is recommended for improved degassing.

Pot life

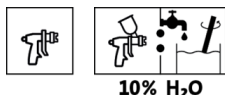


1 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)		0,28	1,8
Spray nozzle (Ø inch)		0,011	0,07
Spraying pressure (bar)		80 - 100	3 - 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent		-	Water
Applied quantity per application (g/m ²)		125 - 150	
Wet film (µm)		125 - 150	

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.

Drying times

(at 23 °C and 50 % rel. humidity)

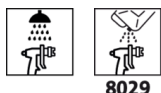


The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

Cleaning the working equipment




With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE

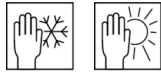
Type of substrate

Hardwood and softwood, aluminium and coatable plastics such as PVC, polyurethane, polyester, etc.

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.
Wood moisture	13 % ± 2 %
Substrate preparation	<p>Aluminium: Sand until matt with abrasive fleece and Entfetter (7233).</p> <p>Hard PVC and coatable plastics: Clean and activate the surface with Polyactive SB (8059). Recoating must take place within 10 to 60 minutes.</p>
COATING SYSTEM	
General	The following coating systems are exemplary.
Impregnation	<p>Hardwoods and softwoods: 1 x Aquawood Primo A2 (5452) Intermediate drying time: approx. 4 hours Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use. Please follow our ARL 056 - Working guideline for the use of wood preservatives.</p>
Intermediate sanding 	<p>Grit size 220 – 280 Remove sanding dust.</p>
Primer coat	1 x ADLER Print-Primer SQ (5480)
Print	Printing with suitable, system-compatible inks. Ink adhesion must be checked in advance.
Finishing coat	1 x ADLER Print-Protect UV+ SQ (5171) Attention: Ink adhesion must be checked.
ORDERING INFORMATION	
Size of trading unit	5 kg, 25 kg
Colour shades	<p>Standard colour(s): Farblos (5171000200)</p>
Supplementary products	<p>ADLER Print-Primer SQ (5480) Aqua-Hardener 8450 (8450) Aqua-Cleaner 8029 (8029) Aquawood Primo A2 (5452) Entfetter (7233) Polyactive SB (8059)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

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.

Giscode

BSW30

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for ADLER Print-Protect UV+ SQ (Cat A/e): 130 g/l.
ADLER Print-Protect UV+ SQ contains a maximum of 90 g/l VOC.

Safety information



The product is only suitable for the industrial and professional 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.