

ADLER Print-Protect SQ

5170

Water-based, silk-matt **two-component clear coat** as **protective coating** for printed surfaces
It has been matched as a system in combination with **ADLER Print-Primer SQ**

PRODUCT DESCRIPTION

General

Water-based, silk-matt and non-yellowing two-component clear coat with protective function for printed surfaces outdoors and indoors. The product is characterised by excellent weather- and UV resistance, high scratch resistance and high chemical resistance.

Special properties and standards



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

Application areas



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

PROCESSING

Instructions for use



- Please stir the product before use. However, prevent entry 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.

Blending ratio



100 parts by weight ADLER Print-Protect SQ 5170
7 parts by weight of ADLER Aqua-PUR-Härter 82220

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

ADLER Aqua-PUR Härter must be carefully worked into the coating components by stirring before processing.

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

Pot Life

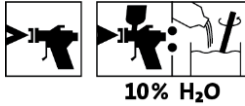
(at 23 °C and 50 % rel. humidity)



approx. 1 hour

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique

Application method	Airless	Airless air-supported (Airmix, etc.)	Pressurised cup gun
Spray nozzle (ø mm)	0.28	0.28	1.8
Spray nozzle (ø inch)	0.011	0.011	0.07
Spraying pressure (bar)	80 – 100	80 - 100	3 – 4
Atomized air (bar)	-	1 – 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	10
Wet film (µm)	125 – 150		
Yield per application (g/m ²) ¹⁾	125 – 150		
¹⁾ Yield including addition of thinner and loss while spraying			

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 times

(at 23 °C and 50 % rel. humidity)



Dust-dry (ISO 1517)	after approx. 30 minutes
Tack-free	after approx. 3 hours
Dried through	after approx. 12 hours

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 (very quick drying).

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Hard- and softwood, aluminium und 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 %

Preparation of the substrate	<p>Aluminium Sand until matt with abrasive fleece and ADLER Entfetter 80394.</p> <p>Hard PVC and coatable plastics Clean the surface with Polyactive SB 8059 and activate. Recoating must take place within 10 to 60 minutes.</p>
-------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

COATING SYSTEM

General	The following coating systems are exemplary.
----------------	----------------------------------------------

Impregnation	<p>Hard- and softwood 1 x Aquawood Primo A2 5452</p> <p>Intermediate drying: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.</p>
---------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Intermediate sanding	<p>Grit size 220 – 280</p> <p>Remove sanding dust.</p>
-----------------------------	--------------------------------------------------------



Primer coat	<p>1 x ADLER Print-Primer SQ 5480</p> <p>Please observe the relative technical data sheets of the ink producer.</p>
--------------------	---------------------------------------------------------------------------------------------------------------------

Print	<p>Print job of suitable, system-compatible inks. The adhesion of the ink must be checked in advance.</p> <p>Please observe the relative technical data sheets of the ink producer.</p>
--------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Finishing coat	<p>1 x ADLER Print-Protect SQ 5170 or 1 x ADLER Print-Protect UV+ SQ 5171</p> <p>Attention: The adhesion of the ink must be checked.</p> <p>Please observe the relative technical data sheets of the products.</p>
-----------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

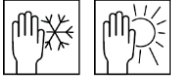
ORDERING INFORMATION

Size of trading unit	4 kg, 25 kg
-----------------------------	-------------

Gloss level	Farblos G30	5170000200
--------------------	-------------	------------

Supplementary products	<p>ADLER Aqua-Cleaner 80080 ADLER Entfetter 80394 ADLER Print-Primer SQ 5480 ADLER Print-Protect UV+ SQ 5171 ADLER Aqua-PUR Härter 82220 Aquawood Primo A2 5452 ADLER Polyactive SB 8059</p>
-------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

FURTHER DETAILS

Durability / storage

At least 1 year in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Technical specifications

VOC content	EU threshold for ADLER Print-Protect SQ (Cat. A/d): 130 g/l (2010). ADLER Print-Protect SQ contains max. 100 g/l VOC (Volatile Organic Compounds).
-------------	----------------------------------------------------------------------------------------------------------------------------------------------------

Safety-related information

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**.

The product is only suitable for the industrial and professional use

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).
