

ADLER Print-Primer SQ

5480

Printable 2-component primer coating for professional and industrial use

PRODUCT DESCRIPTION

General

Water-based, non-yellowing two-component primer for adhesion promotion on various substrates for exterior and interior use. The product is characterised by very good printability and provides excellent adhesion of digital printing inks to the substrate.

Special properties and standards



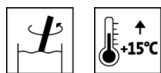
- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For the coating of aluminium, wood and coatable plastics
Application in combination with a suitable topcoat system.

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-Primer SQ (5480) 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.

Blending ratio



100 Part(s) by weight ADLER Print-Primer SQ (5480)
7 Part(s) by weight Aqua-Hardener 8450 (8450000210)

ADLER Print-Primer SQ (5480) 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.

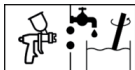
After addition of hardener, a waiting time of approx. 10 minutes is recommended for improved degassing.

Pot life

2 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique10% H₂O

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,28 - 0,33		2,2
Spray nozzle (Ø inch)	0,011 - 0,013		-
Spraying pressure (bar)	80 - 100		3 - 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent	-		Water
Diluent amount added (%)	-		10
Wet film (µm)	250		

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)



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

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

8029

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, sound and free from separating substances such as grease, wax, silicone, resin, etc., and must be checked for suitability for coating.

Wood moisture

13 % ± 2 %

Substrate preparation**Aluminium:**

Sand until matt with abrasive fleece and Clean Multi-Entfetter (7233).

Hard PVC and coatable plastics:

Clean and activate the surface with Polyactive SB (8059). Recoating must take place within 10 to 60 minutes.

COATING SYSTEM

General

The following coating systems are exemplary.

Impregnation

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.

Intermediate sanding



Grit size 220 – 280

Remove sanding dust.

Primer coat

1 x ADLER Print-Primer SQ (5480)

Primer coat

Printing with suitable, system-compatible inks. Ink adhesion must be checked in advance.

Finishing coat

1 x ADLER Print-Primer SQ (5480)

or

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

Standard colour(s):
Weiß (5480050000)

Supplementary products

ADLER Print-Protect UV+ SQ (5171)
Clean Aqua-Cleaner 8029 (8029)
Aqua-Hardener 8450 (8450)
Aquawood Primo A2 (5452)
Clean Multi-Entfetter (7233)
Polyactive SB (8059)

Please refer to the corresponding technical data sheets of the products.

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

BSW20

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for ADLER Print-Primer SQ (Cat A/d): 130 g/l.
ADLER Print-Primer SQ contains a maximum of 50 g/l VOC.

Safety information

The product is only suitable for the industrial and professional use.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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**.
