

Polyprimer 2K SQ

5463

Water-based **2K adhesion primer** for industrial and professional use.
System-matched with Polycolor 2K SQ

PRODUCT DESCRIPTION

General

System-matched primer for Polycolor 2K SQ to ensure adhesion to various substrates. The product is characterized by excellent adhesion to the substrate and to the topcoat.

Special properties and standards



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

Application area



- Windows and front doors made of PVC and other synthetic material suitable for coating.

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.
- When changing from Polyprimer 2K SQ 5463 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.

02-23 (supersedes 03-21) ZKL 5463

ADLER-Werk Lackfabrik, A-6130 Schwaz

Phone: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions are based on current knowledge and are intended to advise the purchaser/user to the best of our knowledge, but are to be individually adapted to areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability 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 the modification of the container sizes, colour shades and degrees of gloss available.

Blending ratio

100 parts by weight and volume Polyprimer 2K SQ 5463
5 parts by weight or vol. of Aqua-Hardener 8450 (8450)

Polyprimer 2K SQ 5463 can only be used with a hardener Aqua-Hardener 8450 (8450) and in the mixing ratio specified. Deviations lead to film and adhesion problems.

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

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

Pot life

approx. 2 hours

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique

10% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Compressed air cup gun
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	2.2
Spray nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013	
Spraying angle (degrees)	20 – 40	20 – 40	-
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)	approx. 150 - 200		
Yield per application (g/m ²) ¹	approx. 240 - 320		
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 room temperature 20 °C)



Dust-dry (ISO 1517)	after approx. 30 minutes
Tack-free	after approx. 5 hours
Dried through	after approx. 12 hours

If necessary, a forced drying is also possible.

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 product residues we recommend using Aqua-Cleaner 8004 (diluted 1:1 with water).
---------------------------------------	--



SUBSTRATE

Type of substrate	PVC and coatable plastics
Substrate property	The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, etc. and free from dust, as well as tested for suitability for coating.
Preparation of the substrate	<p>PVC and coatable plastics: Pre-treat with Polyactive SB 8059 to clean and create the necessary adhesion to the substrate. Wisch- und Poliertuch 966200030011 is recommended for application. The cloth should be changed after about 20 linear meters. Recoating must take place within 10 to 60 minutes.</p> <p>Due to the large number of plastic materials, an adhesion test is recommended.</p> <p>Please observe the relative technical data sheets of the products.</p>

COATING SYSTEM

Primer coat	1 x Polyprimer 2K SQ 5463
Intermediate sanding	If necessary grit size 220 - 240 Remove sanding dust.



Finishing coat	1 x Polycolor 2K SQ 5082
-----------------------	--------------------------

ORDERING INFORMATION

Size of trading unit	22 kg
Colour shades / degrees of gloss	White 5463050000
Supplementary products	Aqua-Hardener 8450 (8450) Aqua-Cleaner 8004 Polyactive 8059 Wisch- und Poliertuch 966200030011

OTHER INSTRUCTIONS

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 limit value for Polyprimer 2K SQ (Cat. A/d):
130 g/l. Polyprimer 2K SQ contains a maximum
of 50 g/l VOC.

**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 industrial and professional use.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/).
