

ADLER Aqua-Step Silent

3043

Water-based, creak-free sealant for stairs for industrial use

PRODUCT DESCRIPTION

General

Water-based, transparent, creak-free sealant for stairs with anti-slip finishing; can be applied as a one or two component system, excellent resistance to abrasion and good filling power; good block resistance, excellent chemical resistance, good transparency, very good firmness on vertical surfaces, highly resistant to cream and grease (CFB).

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions:
for 1K processing: 1-B
for 2K processing: 1-B1

Response to abrasion: 2-C (≥ 150 U)

Response to scratches:
for 1K processing: 4-E ($\geq 0,5$ N)
for 2K processing: 4-D (≥ 1.0 N)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **ÖNORM C 2354** (wooden floors): stress class C (for 2K processing)
- **ÖNORM Z 1261** (accessible surfaces): class I (> 0.44 μ), dry
- **DIN 51131** (anti-slip property): 0.30 – 0.45 μ , dry
- Meets the requirements of slip resistance class **R9** according to **BGR 181** and **DIN 51130**, if 10 % ADLER Aquafix S grob 91201 is added to the topcoat.
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

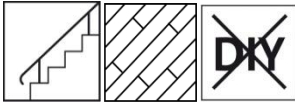


09-17 (supersedes 10-16) ZKL 3043

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. 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. Otherwise our General Terms of Sale apply. 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.

Application areas



- For the large-scale industrial coating of stairs and floorboards by spraying.
- Anti-slip and creak-free properties.
- High usability is achieved if ADLER Aqua-Step Silent 3043 + 7 % ADLER Aqua-PUR-Härter 82220 is sprayed three times with respective intermediate sanding; the requirements of **stress class C** (particularly intense stress) according to ÖNORM C 2354 are met. When used as a one-component system, the requirements of **stress class A and B** are satisfied.

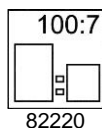
PROCESSING

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.
- ADLER Aqua-Step Silent 3043 can be used optionally as one-component or two-component system. We recommend **2-component processing** on account of the higher resistance and meeting the highest stress category C in accordance with ÖNORM C 2354.
- Various types of wood such as **Oak, Larch**, etc. contain water-soluble substances, which become active when overcoating with water-based furniture varnishes. To prevent discolouration or marks (these can be more or less pronounced depending on the origin of the wood), when painting **oak, larch and other types of wood rich in active substances** we therefore recommend priming them first with ADLER PUR-Primer 25291. Alternatively, ADLER Aqua-Intense GL 30016 can be used as a primer for hardwoods.
- Rolling ADLER Aqua-Step Silent 3043 is only possible for small surfaces and with a flocked foam roller.
- The more matt the degree of gloss is selected, the clearer the gloss markings are visible due to repeated mechanical stress on the coated surface.
- Creak-free if the staircase is professionally made (construction, accuracy of fit, wood moisture content).
- In the case of mortised stairs, it is recommended that ADLER Aqua-Step Silent is applied as a 1-component system or with 3 % ADLER Aqua-PUR Hardener 82220 and that the coated parts are allowed to dry for at least 3 days - preferably 7 days - before assembly in order to avoid creaking.
- Please follow our "**Working guidelines for water-based furniture varnishes**".
- Please observe the relative technical data sheets of the products.

Blending ratio

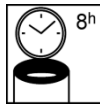


100 parts by weight ADLER Aqua-Step Silent 3043
7 parts by weight of ADLER Aqua-PUR-Härter 82220

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

Pot life

8 hours

**Application technique**

5 %

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun	Rolling
Spray nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	2.0	-
Spraying pressure (bar)	100 - 120	100 - 120	approx. 3	-
Atomized air (bar)	-	1 - 2	-	-
Thinner	water			
Thinner amount added in %	-	-	approx. 5	10
Application quantity per application (g/m ²)	approx. 100 - 120; total quantity applied (primer and topcoat) max. 450			

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)



Sandable and recoatable

after approx. 3 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.

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 (solid wood)

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.

Preparation of the substrate**Hardwoods:** wood sanding with grit size 150 - 180**Softwoods:** wood sanding with grit size 100 - 150

COATING SYSTEM

Primer coat 1 - 2 x with ADLER Aqua-Step Silent 3043

Intermediate sanding



After each primer coat: grit size 240 - 320

Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with aging.

Topcoat

1 x with ADLER Aqua-Step Silent 3043

CLEANING AND MAINTENANCE

From time to time clean stairs **with a cloth moistened with ADLER Clean-Parkettreiniger 42198**. In this manner, you can remove persistent dirt as well as heel marks. **Then wipe the surfaces dry.**

We advise against maintaining the stairs with commercial parquet care products in order to prevent the occurrence of an undesired risk of slipping.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit 4 kg; 22 kg

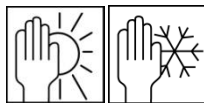
Colour shades / degrees of gloss	G10 Stumpfmatt	3043000110
	G30 Matt	3043000130
	G50 Halbmatt	3043000150

Supplementary products

ADLER Aqua-PUR-Härter 82220
ADLER Aqua-Cleaner 80080
ADLER PUR-Primer 25291
ADLER Aqua-Intense GL 30016
ADLER Aquafix S grob 91201
ADLER Clean-Parkettreiniger 42198

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

Delivery viscosity 200 ± 10 s in accordance with DIN 53211 (4-mm-cup, 20 °C)

Safety-related information



Please pay attention to the associated 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.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).