

Technical data sheet

Beton-Siegel

4002

Water-based, **1C coating** for cement-bound floors, for use in DIY and trade

PRODUCT DESCRIPTION

General

Water-based opaque protective coating for cement-bound floor and wall surfaces, formulated with acrylate. Stand-out features of this product include very good resistance to abrasion and good resistance to fuels, mineral oils and heating oil. Not suitable for floor surfaces that will be used by vehicular traffic or for areas with standing water.

Special properties and standards



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

Application area



Cement-bound floor and wall surfaces in interior areas, e.g. storage rooms, cellars, garages and laundry rooms in private settings.

For garage floors and floor surfaces that are subject to heavy use, we recommend using 2K-Epoxy Beton-Beschichtung (4033)!

PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- The temperature of the substrate (surface temperature of the floor to be coated) must be at least 3 °C above the dew point temperature during both coating and drying. If these conditions are not complied with, it may result in floating-out effects (uneven pigment distribution) and variations in the degree of gloss in the coating.
- Use the right painting and rolling tools for water-based paints.
- Carefully cover and mask areas which are not to be coated.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- 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.

Application technique



	Brushing	Rolling
Applied quantity per application (ml/m ²)	125 - 160	

The product is ready to use.

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)



Can be recoated	in approx. 3 h
Can be walked on	in approx. 5 hour(s)
Maximum film properties	in approx. 10 - 12 day(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.

It is also important to avoid a low level of air exchange, low temperatures and/or high humidity.

Avoid direct sunlight!

Cleaning the working equipment



With water immediately after use.

To remove dried product residues we recommend using Abbeizer Express (8313).

SUBSTRATE

Type of substrate

Cement-bound substrates that are suitable for coating.

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.

Please observe the additional documents:

- ÖNORM B 3430-1
- ÖNORM B 2230-1

A sufficiently cured substrate is a prerequisite (surface tensile strength: lowest individual value 1.0 N/mm²). If this is not the case, the surface will need to be pre-treated by milling or shot blasting.

It is important to reach the equilibrium moisture content of the substrate to be coated. For concrete and cement screed maximum of 5 % by weight (CM method).

Construction components that are at ground level must be securely protected against rear-side moisture penetration by taking the required construction measures (sealing).

Substrate preparation

Greasy or oily marks should be completely removed, especially smooth screed (sintered layer) should be roughened up so that sufficient adhesion can be ensured.

Remove old coatings that cannot be recoated.

Recoating existing coatings is not recommended without mechanical removal of the old coating. The prepared surfaces should then be thoroughly cleaned to remove any dust.

COATING SYSTEM

Primer coat	For substrates that are not very absorbent: 1 x Aviva Tiefengrund WV (4074) For very absorbent, sandy substrates: 1 x 2K-Beton-Primer (4041)
--------------------	---

Primer/intermediate coat	1 x Beton-Siegel (4002)
---------------------------------	-------------------------

Finishing coat	1 x Beton-Siegel (4002)
-----------------------	-------------------------

ORDERING INFORMATION

Size of trading unit	750 ml, 2.5 l, 10 l (only Kieselgrau)
-----------------------------	---------------------------------------

Colour shades / Glosslevels

Color4You 

Standard colour(s):

RAL7032 Kieselgrau (4002007032)
RAL7023 Betongrau (4002007023)

Other colour shades can be obtained using the **ADLER colour mixing system Color4You**.

Base paint(s):

Beton-Siegel W10 Weiß, tönbar (42707)
Beton-Siegel Basis W30 (42709)

In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.

It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

Depending on the system, brilliant and intensive color shades may have a lower covering power. Hence, it is recommended to apply a preliminary coat of a comparable, opaque and pastel colour shade based on W15.

Please consume blended products within 3 months.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines**.

Supplementary products

Abbeizer Express (8313)
Aviva Tiefengrund WV (4074)
2K-Epoxy Beton-Beschichtung (4033)
2K-Beton-Primer (4041)

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

FURTHER DETAILS

Durability / storage



Min. 3 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.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Beton-Siegel (Cat A/i): 140 g/l.
Beton-Siegel contains a maximum of 80 g/l VOC.

Giscode

BSW30

Declaration of ingredients according to VdL-RL 01

acrylic dispersions / inorganic white and coloured pigments / organic pigments / mineral agents / water / glycol ether / rheology additives / interface additives / wetting agent / biocides

Contains 1,2-benzisothiazol-3(2H)-one, reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), polypropylen glycol-alkylphenyl ether. May cause allergic reactions.

Information for allergy sufferers under telephone no. +43 5242 6922-713.

Safety information



The usual protective measures must also be observed when processing low-pollutant products.

Wear protective gloves and goggles.

During sanding use P2 / P3 dust filter.

If medical advice is needed, have the packaging or label ready.

It should be kept out of reach of children.

Ensure good ventilation during application and drying.

During work, do not eat, drink or smoke.

Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

If the product comes into contact with your eyes, rinse immediately with water.

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.
