

AQUASEAL® 2KPU

Description

AQUASEAL® 2KPU is a two-component waterborne finishing product based on polyurethane. The product has a very high chemical and abrasion resistance and is suitable for high-traffic hardwood and softwood floors. Due to its elastic properties, AQUASEAL® 2KPU is also suitable for raw cork surfaces.

Certificates / Approvals



Giscode: W2/DD+ for matt, semigloss, glossy
W3/DD+ for naturalwhite, roylmatt
Emicode: EC1
AbZ-Nr. Z-157.10-47
DIN EN 71-3: Safety of toys
DIN 53160: Saliva and perspiration authenticity

DIN 51130/DGVU 108-003 / Slip resistance: R9
R10 (with AQUASEAL® ANTISLIP ADD)

Degree of gloss (measured at 60°*)

naturalwhite	(<5)
royalmatt	(<5)
matt	(10-20)
semigloss	(30-40)
glossy	(>80)

Special instructions

To minimise edge bonding, AQUASEAL® EXOBLOC, AQUASEAL® FLEXPRIMER, CLASSIC BASEOIL or SolvSeal UNIQUICKPRIMER may be used alternatively as a primer. Otherwise the product may be used as a complete system. Please avoid interchanging the hardeners of the different gloss levels.

Application

Prior to application, AQUASEAL® 2KPU is mixed with hardener AQUASEAL® 2KPU Härter (mixing rate 10:1) in an application bucket or in the BERGERTOOL MixBox. Stir thoroughly after adding the hardener. A rest period of 10 min. before applying the coating ensures best results. The pot life of the coating and hardener mixture is 2 h, i.e. the mixture remains liquid for about 1 day, however, in that case it should be used as trowel primer only (decreased resistance of the dry finishing film). Only mix the quantity required for application. The mixture releases CO₂ – so, to avoid containers from bursting, ensure that the seal is not airtight. The material is applied in 2-3 coats by roller/brush.

Special tips

Contrary to conventional solvent-based finishes, AQUASEAL® 2KPU finishes should be applied in rich layers. The material should not be spread too thinly with the roller, except if using, AQUASEAL® 2KPU “naturalwhite” which is especially recommended for light woods to preserve the raw wood look. AQUASEAL® 2KPU “naturalwhite” has to be rolled in 3 to 4 thin layers. Consumption per layer is approx. 70-90 ml/m². Trowelling is not recommended. The colour and intensity can be reduced by applying “royalmatt” as the last two layers or alternatively it can be increased by using Classic BaseOil white or naturalwhite as a primer. AQUASEAL® FLEXPRIMER can also be used as a primer. So, individual colour and tones can be created.

Date of issue 03/2021 - Page 1 of 2

Drying

Apply at a maximum of 2 coats per day to avoid excessive swelling pressure. As a rule, the finish itself can be cautiously sanded and walked on after 3 to 4 hrs. Optimal application conditions are between 15 -25°C/40 - 65% relative humidity. High temperatures and low humidity will shorten the drying time while low temperatures and high humidity will lengthen the drying time. Insufficient ventilation, as well as thicker finish coats will considerably delay the drying. The coated floor walked on after 24 hrs under standard conditions. Do not expose to heavy foot traffic, cover with carpets or apply floor care products for 7 days.

Consumption

Depending on substrate and working method:

1 trowel coat:
approx. 30 ml/m² resp. approx. 35 m²/l

1 roller/brush coat:
approx 100 ml/m² resp. approx. 10 m²/l depending on degree of gloss

Storage / transport

Shelf life of original unopened packing is a min. 12 months for both the finish and the hardener provided that the material is transported and stored in a cool and dry place protected from freezing.

Industrial coated prefinished hardwood floors

AQUASEAL® 2KPU is suitable for recoating many prefinished hardwood floors, however, due to the great number of products available, it is not possible to make any general recommendations. For this reason, individual adhesion tests are necessary in each case. We recommend basic cleaning with BRILLIANCE CLEANER L94 Wachsentferner and wiping with clear water followed by careful screening with 120 grid prior to recoating. Please observe also our Technical Special Instruction Nr. 05.

General remark

Please read the instructions carefully before applying this product. This Berger-Seidle product must be applied by a qualified timber flooring contractor, for whom this technical data sheet is intended. The activities shall be carried out in accordance with the standards applicable to the trade, and regulations of the country in which the product is used. The customer must be informed about the cleaning and care requirements of the product. Any use that does not conform to the scope of Berger-Seidle's application is considered improper. The improper use and non-compliance with the instructions in this information sheet, largely the responsibility of the person using the product, will void the manufacturer's liability and warranty. Before using the product, the general conditions for use must be thoroughly checked and understood.

Cross reference

The following Technical Data Sheets should be observed:

- General instructions of use for hardwood floor finishing products
- Cleaning and maintenance of finished/oiled floors
- Identification and safety instructions (MSDS)

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Safety Precautions

May cause skin and eye irritation. May be harmful if swallowed. Avoid skin or eye contact and inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Keep unmixed containers closed. Do not seal containers containing mixed product due to release of carbon dioxide. Do not use for sputtering or spraying. Keep out of reach of children. Residual quantities should not be poured into sewage water drains, but disposed of in compliance with local, state, and federal regulations.

* The degree of gloss depends on the method of application, the substrate and the room climatic conditions.