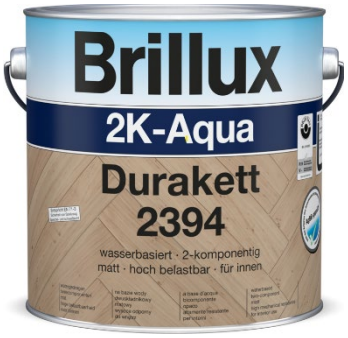
Data Sheet

2K-Aqua Durakett 2394



zweikomponentige, wasserbasierte Versiegelung mit besonders hoher Widerstandsfähigkeit, für Holzböden, innen

Brillux Münster
Brillux System Air-Clean-Pro 4
Emissionsgeprüftes Bauprodukt nach DIBt-Grundsätzen
Z-157.10-225

AgBB-geprüft

Farbsystem

Entspricht EN 71-3
Sicherheit von Spielzeug
Speichel- und schweißecht

Basecode

Field of application

For particularly durable colorless or colored sealers on parquet flooring, floorboards, wooden floors and wooden steps indoors.

Properties

- Water-based
- Very low odor
- Two-component sealer based on PUR acrylic
- For interior use
- Highly resistant to mechanical and chemical stresses
- Rapid curing
- Very good flow properties
- Excellent adhesion
- Very light-resistant
- Very hard-wearing
- Excellent cleanability
- Suitable for chair-caster loads
- Corresponds to requirements set out by “Ausschuss zur gesundheitlichen Bewertung von Bauprodukten” (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Suitable for use with indirect contact with foodstuffs in accordance with the test certificate
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Tested as a slip-resistant sealer, Slip Resistance Class R 9 in accordance with the test certificate

Material description

Color shades 0100 colorless and 0095 white.
Additional color shades from the Brillux Color System.

Gloss grade Matt

Base material PUR acrylic sealer, two-component

Brillux ..more than paint

Material description

VOC
EU limit for this product (Cat. A/j): 140 g/l (2010).
This product contains max. 50 g/l VOC.
The specified VOC value refers to the ready-to-use mixture of base paint and hardener.

Density
Approx. 1.05–1.3 g/cm³

Packaging
Standard: 875 ml and 3.5 l
Color System: 875 ml and 3.5 l
(Base enamel and hardener are supplied separately)

Use

Mixing ratio
7 parts by volume of 2K-Aqua Durakett 2394 to 1 part by volume of 2K-Aqua Hardener 2380. This corresponds to approx. 100 g of base paint : 16 g of hardener (for colorless paint) and approx. 100 g of base paint : 13 g of hardener (for colored paint). The container sizes correspond to this mixing ratio. Make sure to mix the two components thoroughly. Do not tightly close containers with a mixture of base paint and hardener. Such mixtures continue to react; this produces carbon dioxide and could cause the container to burst.

Mixing
Mix basic enamel and hardener in the specified mixing ratio shortly before application. Then pour the mixture into another clean container and stir again thoroughly. Avoid inclusion of air during mixing. Then allow the mixture to pre-react for about 10 minutes. Do not mix freshly mixed material with residual material. You must comply with the limited time for use (pot life).

Thinning
No thinning.

Tinting
All colors can be mixed with one another without limitations.

Compatibility
Can only be mixed with similar materials and those stipulated in this data sheet.

Application
Pour the mixed sealer into a clean container (e.g. a plastic bucket) and apply evenly in thin coats with either a brush or a roller using a long-bristle brush and the Microfiber Paint Roller 1221. We recommend using the plastic Paint Grid 1484. Avoid ponding at all costs. For corners and other hard-to-reach places that cannot be painted with a paint roller, use a flat paintbrush and immediately roll over as far as possible to avoid any visible edge marks. To ensure smooth, rapid processing, we recommend coordinating the number of employees to the size of the work area before starting. Before any additional coats, carry out an intermediary sanding with sandpaper with grit size of 100 or finer.

Pot life (at +20°C)
Approx. 2 hours. Higher temperatures considerably reduce the pot life. After the pot life has ended, do not dilute the material again or continue to use it.

Consumption
Approx. 90–110 ml/m² per layer. Apply in sufficient, even layers. Determine exact consumption by means of a test application on the object to be coated.

Use

Application temperature
Best at +15°C. Do not apply below +8°C or above +25°C nor in direct sunlight, at high humidity (≥ 80%) or to very warm substrates.

Tool cleaning
Clean tools immediately after use with water and Universal Cleaner 1032.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 2 hours. Can be exposed to low foot traffic after approx. 24 hours. Fully hardened as well as ready for chemical and mechanical stress after approx. 7 days. To achieve good adhesion, the subsequent coating build-up with 2K-Aqua Durakett 2394 should be within 4–16 hours. Allow longer drying times at lower temperatures and/or higher air humidity. During the drying and curing phase, ensure proper ventilation. The Blower TG1 1800 can be used to promote the drying process.

Storage

Cool, dry, and frost-free between +5°C and +35°C in a well-ventilated area. Reseal opened, unmixed containers tightly.

Declaration

Product code
PU50
Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation
The substrate must be solid, dry, clean, with good adhesion, load-bearing, and free from oils, waxes, grease and separating agents. Check the suitability, load-bearing capacity and adhesive properties of existing coatings, especially on factory coated prefabricated parquet flooring; consider creating test areas. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Remove grayed wood down to the load-bearing wood layers. Thoroughly sand intact coatings. Hazardous particles and vapors may be released while reworking or removing old paint coats, e.g. as a result of sanding, paint removal by heat gun, etc. Only perform this kind of work in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Before coating new untreated substrates, carry out a fine sanding with sandpaper with grit size of 100 or finer. Pretreat, prime and/or apply the intermediate coat to the substrate, as required. Also see VOB Part C, DIN 18356.

Colorless interior coatings on wooden floors

Substrates	Prime coat	Intermediate coat	Top coat
Untreated parquet, floor boards, wooden floors and wooden steps	2K-Aqua Durakett 2394, colorless	2K-Aqua Durakett 2394, colorless	2K-Aqua Durakett 2394, colorless
Parquet, floor boards, wooden floors and wooden steps with intact, load-bearing, colorless coatings	n/a		

Coating build-up

Colored interior coatings on wooden floors [1)]

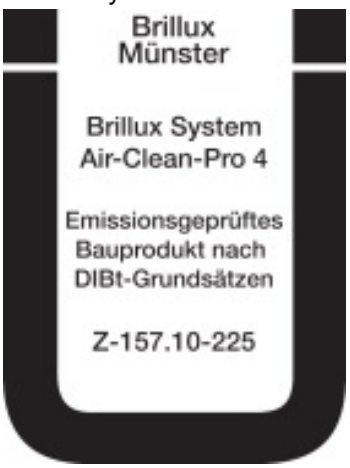
Substrates	Prime coat	Intermediate coat	Top coat
Untreated parquet, floor boards, wooden floors and wooden steps	2K-Aqua EP Primer 2373 or 2K-EP Varioprimer 865	2K-Aqua Durakett 2394, colored	2K-Aqua Durakett 2394, colored
Indoor parquet, floor boards, wooden floors and wooden steps with intact, load-bearing coatings			

[1)] In the system build-up, slip-resistant R 9 in accordance with the test certificate.

Notes

Compliance certificate

Surface coating systems for parquet floors and wooden floorboards: “Brillux System Air-Clean-Pro 4”



The current German national technical approval (abZ) and the German general construction technique permit (aBG) can be viewed in German at: www.brillux.de/Mediathek/Pruefberichte und Zulassungen

Contiguous surfaces

Only seal contiguous surfaces with material from the same batch. Apply the coats uniformly and quickly to achieve a surface that has a uniform color shade and degree of gloss.

Sand the substrates

We recommend sanding the surfaces between the individual working steps. Light sanding is required for a “paint-on-paint” structure.

Second top coat

To increase the wear layer, we recommend applying two coats of the top coat.

Brilliant and intense color shades

Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range, have a low hiding power due to the nature of their pigments. When using critical color shades in these color ranges, we recommend applying a full-covering prime coat in the corresponding base color (Basecode). In addition to the standard coating buildup, additional coats may be required.

Notes

Cracks in wooden panels	Shrinking and swelling of wooden panels due to temperature fluctuations cannot be avoided, regardless of whether the area is indoors or outdoors. The resulting cracks and breaks in the joints cannot be avoided.
Detrimental changes in appearance	Constituents from organic substances (e.g. tea, coffee, red wine, plant parts, leaves, etc.) and chemicals such as disinfectants and acids may result in changes in the sealer's color. Abrasive stress may result in scratches to the surface. The functionality is not affected by these changes in appearance.
Use of adhesive tapes	Test adhesive tapes for compatibility before use or application to the finished coated spaces. Some adhesives of adhesive tapes can have a negative effect on applied seals or coatings. Once adhesive tapes have been applied – even for just a short period – their removal can lead to delamination or damages to the sealing/coating.
Discolorations caused by plastic materials	Contact with plastic materials, e.g. profiles and sealants may result in changes to the sealer's color.
Usage and surface stress	Sealers and coatings on floor areas are subject to use-related wear. The specific service life depends primarily on the film thickness and the intensity of the surface stress. In areas with very high traffic, the wear layer should be built up as high as possible and/or a regular resealing is recommended. Abrasive stresses (e.g. from hard chair casters, sand, grit, metal shavings, etc.) can cause light-colored and even whitish scratches and score marks, and are detrimental to the appearance. The intensity and visibility of these marks depends on the chosen color shade. The technical functionality of the floor surfaces is not impaired by this.
Use of disinfectants	If object-specific resistance to disinfectants is required, we recommend that appropriate preliminary tests are carried out with the compounds used on site. If you have any questions relating to this, contact the Brillux Consulting Service.
Use of office chairs	Office chairs must be equipped with soft casters of type W in accordance with DIN EN 12529.
Surface protection with chair/furniture glides	Chairs with broken or missing chair glides as well as unsuitable chair casters destroy both the surface protection as well as the sealer; their use must therefore be avoided. The use of suitable chair/furniture glides is strongly recommended (rather than conventional, self-adhesive felt pads).
Carpets and furniture	Do not lay any carpets during the first 8 days. Carefully position the furniture and other furnishings.
Cleaning and maintenance	Separate specifications for the cleaning and maintenance of sealed floor surfaces indoors with 2K-Aqua Durakett 2394 is available in the "Cleaning and Maintenance Instructions".
Further information	Follow the instructions on the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website. Version I

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