

## Lacryl-PU Wooden Floor Enamel 274



Water-based, low-emission and low-pollutant, PU modified, silk matt, for interior use



Color System  
Basecode

### Field of application

For high-quality and resistant, covering sealing on parquet, floor boards, wooden floors and stairs in living areas.

### Properties

- Water-based
- Low odor
- Quick drying
- Single-component sealing based on PU acrylic
- For interior use
- Corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- PU-modified
- Durable
- Resistant to mild household cleaners
- Easy to apply

### Material description

<b>Color shades</b>	0095 white A number of additional color shades can be mixed with the Brillux Color System.
<b>Gloss grade</b>	Silk matt
<b>Base material</b>	Polyacrylate polyurethane dispersion
<b>VOC</b>	EU limit for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC.
<b>Constituent substances</b>	Polyacrylate polyurethane dispersion, titan dioxide (depending on the color shade), organic or inorganic colored pigments (depending on the color shade), silicates, water, glycol ether, additives and preservatives ((benzisothiazolinone and sodium pyrithione).

## Material description

<b>Density</b>	Approx. 1.0–1.2 g/cm <sup>3</sup> , depending on the color shade.
<b>Packaging</b>	750 ml and 3 l

## Use

<b>Thinning</b>	If necessary for flow regulation, dilute with water up to approx. 5%.
<b>Tinting</b>	All colors can be mixed with one another without limitations.
<b>Compatibility</b>	Do not mix with other types of materials.
<b>Application</b>	Lacryl-PU Wooden Floor Enamel 274 can be applied using brush and roller application methods. We recommend the Short Fiber Paint Roller 1217 for roller application on the floor surface and a foam paint roller for vertical application. Apply the Lacryl-PU Wooden Floor Enamel 274 uniformly, quickly and strip by strip to avoid visible lap marks. In this context, only prepaint the corners and connecting areas to the extent that they can be treated within a strip.
<b>Consumption</b>	Approx. 100–120 ml/m <sup>2</sup> per layer. Determine the exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply if air or object temperature is below +5°C.
<b>Tool cleaning</b>	Clean tools immediately after use with water and soap.

## Drying (+20°C, 65% relative humidity)

Dust dry after approx. 1–2 hours. Intermediate and top coat (ready to withstand walking loads and application of the next coat) after at least 8 hours. Fully stressable after curing (approx. 8 days). Allow at least one week to pass before laying carpets.  
Allow longer drying times at lower temperatures and/or higher air humidity.

## Storage

Store in a cool, dry and frost-free place. Reseal opened containers tightly. Only recycle completely empty containers. Dispose of liquid material residue at a collection point for old paint.

## Declaration

<b>Product code</b>	W3+ Comply with the specifications in the current safety data sheet. Contains benzisothiazolinone and sodium pyrithione. Can cause allergic reactions. Allergy information at +49 251 7188-403.
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## Coating build-up

### Substrate preparation

- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents.
- Check the suitability, load-bearing capacity and adhesive properties of existing coatings.
- Remove defective and unsuitable coatings completely and dispose of them in accordance with the applicable regulations.
- Thoroughly sand intact enamel paint 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.
- See also VOB Part C, DIN 18363, Section 3.

## Coating build-up

### Interior coatings on wooden floors

Substrates <sup>1)</sup>	Prime coat <sup>2)</sup>	Intermediate coat	Top coat <sup>3)</sup>
Untreated parquet, floor boards, wooden floors and wooden steps	Depending on requirements with Lacryl-PU Wooden Floor Enamel 274 or 2K-Aqua EP Primer 2373	Lacryl-PU Wooden Floor Enamel 274	Lacryl-PU Wooden Floor Enamel 274
Parquet, floor boards, wooden floors and stairs with intact old paintwork	2K-Aqua EP Primer 2373		

<sup>1)</sup> Not suitable for oiled, waxed or factory-coated floors and laminate.

<sup>2)</sup> When using white or light coatings, apply the prime coat with 2K-Aqua EP Primer 2373 to prevent water-soluble constituents from bleeding through. In the case of constituent-rich wood, we recommend applying two prime coats of 2K-Aqua EP Primer 2373.

Preliminary tests are also to be performed on uncertain, poorly defined substrates and where required with 2K-EP Varioprimer 865. Care products on the surface or absorbed into the wood can lead to adhesion and surface defects as well as drying delays.

<sup>3)</sup> To increase durability, e.g. on stairs, we recommend additional sealing with Parquet Sealant 342, gloss or Parquet Sealant 344, silk matt.

**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](http://www.brillux.de/Mediathek/Pruefberichte_und_Zulassungen)

**Protective measures** Keep out of reach of children. Wear protective glasses and use the combination filter A2/P2 for spraying. Use the Dust Filter P2 during sanding. Ensure proper ventilation during application and drying. Avoid eating, drinking and smoking during application. Upon contact with eyes or skin, immediately rinse thoroughly with water. Ensure that the material does not enter the sewage system, waters or soil.

**Contiguous surfaces** Only coat contiguous areas with material from the same batch.

**Sand the substrates** We recommend sanding the surfaces between the individual working steps. For "paint-on-paint" build-up, the surfaces must first be sanded down.

**Avoid contact with plasticizers** Do not allow the surfaces to come into contact with plastics containing plasticizers, e.g. sealing profiles or rubber tires.

**Avoid "paint-on-paint" contacts** Water-based enamel paints exhibit thermoplastic behavior. As a consequence, "paint-on-paint" contacts must be avoided.

**Implementation in 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 build-up, additional coats may be required.

**Consider substrate absorbency and layer thickness** Ensure a uniform substrate absorbency and film thickness during application to avoid patches of varied gloss. Excessive layer thickness must be avoided. Prime with 2K-Aqua EP Primer 2373 as required.

**Cracks in wooden panels** Shrinking and swelling of wooden panels due to temperature fluctuations cannot be avoided, even indoors. The resulting cracks and breaks in the joints cannot be avoided.

<b>Carpets and furniture</b>	Do not lay any carpets during the first 8 days. Carefully position the furniture and other furnishings.
<b>Use of office chairs</b>	Office chairs must be equipped with soft casters of type W in accordance with DIN EN 12529.
<b>Surface protection with chair/furniture glides</b>	Chairs with defective or missing chair glides and unsuitable chair casters destroy the paint surface and must therefore be avoided. The use of suitable chair/furniture glides (e.g. scratchnomore ® from CC Dr. Schutz) and chair/furniture casters (type W) is highly recommended.
<b>Detrimental changes in appearance</b>	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 coating's color. Scratches can occur on the surface due to stresses such as sanding objects. The functionality is not affected by these changes in appearance.
<b>Avoid liquids</b>	Spilled liquids must always be mopped up immediately. Standing water must be avoided.
<b>Use and surface stress</b>	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. We recommend using suitable protective mats in areas that are subject to chair caster stress.
<b>Abrasion in the event of mechanical stress</b>	Pigment abrasion may occur on the coating surface for intense and dark color shades in cases involving mechanical stress. This corresponds to the state of the art for silk matt enamel paints and does not justify a complaint.
<b>Cleaning and maintenance</b>	Proper cleaning and maintenance ensures that the floor finish lasts a long time and retains its value. A large share of the usual soiling can be avoided by using dirt walk-off zones in the entrance areas. Because the less dirt that gets onto the floor surfaces, the less effort is required to maintain them. Depending on dirt accumulation, floor surfaces should be cleaned daily. Remove coarse dirt by sweeping or vacuuming. For ongoing daily maintenance cleaning, dilute CC Dr. Schutz PU Cleaner in a ratio of 1:200 (50 ml to 10 liters of water) and damp mop the floor with this solution using a microfiber mop. Prevent moisture absorption by immediately removing cleaning water.
<b>Further information</b>	Follow the instructions in 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.

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