

2K-Aqua EP Primer 2373



water-based, two-component, for interior and exterior use



Basecode

Field of application

As adhesion-promoter and primer on non-absorbent, rigid substrates, interior and exterior, e.g. zinc, galvanized steel, aluminum (bare metal), Glasal, melamine resin panels, wall tiles, and on load-bearing coatings of polyurethane, epoxy, alkyd resin paints, as well as iron and steel substrates, interior only. In addition suitable as primer on floors in the system build-up with e.g. Floortec PU Floor Sealer 847 and Lacryl-PU Wooden Floor Enamel 274.

Properties

- Water-based
- Two-component
- Epoxy resin-based
- Low odor
- For interior and exterior use
- Excellent adhesion promotion
- Quick drying
- Corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Can be universally recoated with alkyd, acrylic, epoxy, PU, or polymer resin as well as 2K enamel paints.

Material description

Color shades	Scale no.	Description
	–	0095 white
	87.03.18	7106 gray
	90.03.30	7126 anthracite
	27.12.24	8101 red brown

Basecode color shades can be mixed with the Brillux Color System.

Gloss grade Matt

Base material Water-thinnable polyamine epoxy resin adduct

Material description

VOC	EU limit for this product (Cat. A/j): 140 g/l (2010). This product contains max. 25 g/l VOC. The specified VOC value refers to the ready-to-use mixture of base paint and hardener.
Density	Approx. 1.4 g/cm ³
Packaging	Standard: 600 ml, 2.4 l (depends on the color shade) Color System: 600 ml, 2.4 l (Base enamel and hardener are supplied separately)

Use

Mixing ratio	4 parts by volume of 2K-Aqua EP Primer 2373 to 1 part by volume of 2K-Aqua EP Hardener 2374. This corresponds to about 100 g of base paint : 19 g of hardener. Make sure to mix the two components thoroughly.
Mixing	Mix base 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. Do not mix freshly mixed material with residual material. The reaction begins immediately after mixing. Therefore, apply the material immediately and observe the limited processing time (pot life).
Thinning	If necessary, thin with up to approx. 5% water.
Tinting	Mixed material up to max. 0.5% with Mixol Universal Tinting Concentrate 1128. 2K-Aqua EP Primer 2373 should only be tinted after mixing.
Compatibility	Can only be mixed with similar materials and those stipulated in this data sheet.
Application	2K-Aqua EP Primer 2373 can be applied by means of brush and roller application. For spray application, we recommend the use of 2K-Aqua EP Spray Primer 2375.
Pot life (+20°C)	Approx. 1½ hours. After the pot life period has ended, do not thin the material again or continue to use it. Higher temperatures shorten the pot life.
Consumption	Approx. 100 ml/m ² prepared mixture per layer. Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Recommended air and object temperature: +10°C to +25°C. Do not apply if air or object temperature is below +8°C or at high humidity. Take the dew point temperature into consideration.
Tool cleaning	Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 5 hours. Recoatable after approx. 24 hours.
After 48 hours of drying, a thorough sanding is required before recoating. 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.

Declaration

Product code RE1
Comply with the specifications in the current safety data sheet.

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
 - Prepare zinc, galvanized surfaces by cleaning them with Universal Cleaner 1032 or with ammoniac washing fluid (in accordance with BFS Leaflet No. 5, Paragraph 3.3).
 - Clean bare metal aluminum with Universal Cleaner 1032 and a nonwoven abrasive, then rinse thoroughly with warm water. When treating aluminum, follow the instructions in BFS Leaflet No. 6
 - Prepare plastics in accordance with BFS Leaflet No. 22
 - Thoroughly sand intact old coatings
 - For substrates where dissolving or peeling could occur, for example old oil and enamel paints, we recommend applying a test coat.
 - Remove defective and unsuitable coatings completely and dispose of them in accordance with the applicable regulations.
 - 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
- Prime coat** Depending on the component, requirement and selection, on zinc, galvanized steel, aluminum (bare metal), Glasal, melamine resin panels, wall tiles, on load-bearing coatings and non-absorbent floor surfaces with 2K-Aqua EP Primer 2373, for example.
On interior iron/steel, only to be used in areas meeting specifications for corrosion category C1 (irrelevant) in accordance with EN ISO 12944.
Always prime exterior zinc or galvanized surfaces twice if the subsequent top coat is to be an alkyd resin enamel paint.
- Intermediate and top coats** Depending on the component, requirement and selection, continue the build-up with alkyd, acrylic, epoxy, PU, polymerized resin or two-component enamel paints.

Notes

- Further recoating** In order to achieve good adhesion with the subsequent coating without sanding, the following coat must be applied within 48 hours. Sand the surfaces thoroughly before recoating after this period has expired.
- Indoor application** Ensure proper ventilation during application and drying indoors.
- For coil coating, powder coating, etc.** For coil coating, powder coating, and two-component coatings we recommend priming with 2K-EP Varioprimer 865 and/or 2K-EP Varioprimer S 864. The suitability of coil coatings is to be evaluated on site on a case-by-case basis.

Notes

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 buildup, additional coats may be required.

Further information

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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