

2K-Aqua Epoxy Spray Primer 2375

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**water-based, two-component, spray quality, for exterior
and interior use, with 2K-Aqua Epoxy Hardener 2374**

2K-Aqua Epoxy Spray Primer 2375

Properties

Water-based, two-component primer particularly well suited for spraying with excellent adhesiveness and high resistance. Low odor, matt, fast-drying and can be universally coated with alkyd, acrylic, epoxide, PU, or polymerized resin as well as 2C enamel paints.

Field of Application

As adhesion-promoter and primer on non-absorbed, rigid substrates, interior and exterior, e.g. zinc, zinc-coated steel, aluminum (bare metal), Glasal, melamine resin panels, wall tiles, and on load-bearing coatings of polyurethane, epoxide, alkyd resin paints, as well as iron and steel substrates, interior only.

Material description

Standard color shade:

0095 white.

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

Degree of gloss: matt

Base material: water-dilutable polyamine epoxy resin adduct

VOC: EU limit value 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: about 1.4 g/cm³

Packaging: 2.4 l

(Base paint and hardener in separate containers)

2K-Aqua Epoxi- Primer 2373

Properties

Special epoxy hardener, the container size has been adapted to the mixing ratio with 2K-Aqua Epoxy Primer 2373 and 2K-Aqua Epoxy Spray Primer 2375.

Field of application

Only use to mix with 2K-Aqua Epoxy Primer 2373 and 2K-Aqua Epoxy Spray Primer 2375 in the appropriate mixing ratio.

Material description

Color shade: yellowish, transparent

Base material: Epoxy resin

Density: about 1.12 g/cm³

Packaging:

600 ml for 2.4 l 2K-Aqua Epoxy Spray Primer 2375

(Base paint and hardener in separate containers)

Use

Mixing ratio

4 parts 2K-Aqua Epoxy Spray Primer 2375 to 1 part 2K-Aqua Epoxy Hardener 2374. This corresponds to about 100 g of base paint : 19 g hardener. Make sure to thoroughly mix both components.

Mixing

Mix base paint and hardener in the specified mixing ratio shortly before application. Then pour 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 comply with the limited application time (pot life).

Thinning

Ready for spraying. Only apply unthinned.

Compatibility

Do not mix with other types of materials.

Application

Apply 2K-Aqua Epoxy Spray Primer 2375 by means of spraying unthinned. More information on spray applications is provided in the "Spray data" table.

Pot life (at +20 °C)

Approx. 1½ hours. After the pot life has ended, neither dilute the material again nor continue to use it. Higher temperatures shorten the pot life.

Consumption

Approx. 170 ml/m² prepared mixture per layer.

Determine the exact consumption by means of a test application on the object to be coated.

Application temperature

Favorable at +10 °C up to +25 °C air and object temperature. Do not apply at an air and object temperature below +8 °C as well as at high air humidity. Take the dew point temperature into consideration.

Tool cleaning

Clean tools immediately after use with water. Remove surface-dried paint residue, for example on the spray nozzle, using Universal Cleaner 1032, or stubborn stains with Special Synthetic Resin Thinner 915.

Spray data

Spray system	Nozzle	Spray angle	Supply air/ air quantity	Material pressure/ material quantity	Dilution	Cross-spraying
AirCoat ¹⁾	0,009–0,011 Inch	40°	3–4 bar (air)	180 bar	undiluted	1

The data is based on substrate and ambient temperatures of +20 °C

¹⁾ Information relating to the use of AirCoat nozzles 9/40 or 11/40 (air cap blue).

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

Dust dry after about 5 hours. Recoatable after about 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

Cool, dry and frost-free. Reseal opened containers tightly.

Declaration

Water pollution class

WGK 2, in accordance with VwVwS.

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 of separating agents. Inspect existing coatings for load-bearing capacity. Prepare zinc, galvanized surfaces by cleaning them with Universal Cleaner 1032 or with ammonia alkaline washing fluid (in accordance with BFS Leaflet No. 5, Paragraph 3.3). Clean aluminum and bare metal with Universal Cleaner 1032 and non-woven abrasive tool then thoroughly rinse with water.

When treating aluminum, follow the instructions in BFS Leaflet No. 6. Inspect intact old coatings for their suitability, load-bearing capacity, and adhesive properties. Remove defective and unsuitable coatings thoroughly, and dispose of them in accordance with the applicable regulations. Thoroughly sand intact old 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. Perform such work in well ventilated areas only and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Also see VOB Part C, DIN 18363, Paragraph 3.

Prime coat

Depending on the component, requirement and selection, on zinc, zinc-coated steel, aluminum (bare metal), Glasal, melamine resin panels, wall tiles, on load-bearing coatings as well as non-absorbing floor surfaces with 2K-Aqua Epoxy Spray Primer 2375, 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 zinc-coated surfaces twice if the following top coat is to be an alkyd resin enamel paint.

Intermediate and top coats

Depending on the component, requirement and selection, continue build-up with alkyd, acrylic, epoxide, PU or polymerized resin as well as 2C 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.

Interior application

Ensure proper ventilation during application and drying in interior areas.

Primer on coil coating, powder coating, anodized aluminum, among others.

For coil coating, powder coating and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2C Epoxy Primer 855.

Further information

Follow the instructions in the data sheets of the products to be used.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet appears with updated information the previous version no longer applies. The current version is available on our website.

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