

Hydro-PU-Tec Silk Matt Enamel 2088



water-based, low odor, premium quality, for interior use



Color System

Basecode

Field of application

For environmentally friendly, particularly high-quality intermediate and top coats on primed wooden and metal surfaces indoors. Preferred applications include, for example, doors, facings, frames, wooden paneling, etc. Can also be used for renovating intact enamel paint coats.

Properties

- Water-based
- Low odor
- Premium silk matt enamel paint
- For interior use
- Based on state-of-the-art PU bonding agent technology
- Excellent flow
- Low yellowing tendency
- Good light resistance
- Water-vapor-permeable
- Block-resistant
- Easy to clean
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Tested according to requirements of AgBB evaluation schemes
- Easy to apply

Material description

Colors	0095 white A number of additional color shades can be mixed with the Brillux Color System.
Gloss grade	Silk matt
Base material	Urethane acrylate copolymer
VOC	EU limit value for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC.

Material description

Constituent substances Urethane acrylate copolymers, titanium oxide, inorganic/organic colored pigments, organic filler materials, water, glycols, additives and preservatives.

Density Approx. 1.27–1.30 g/cm³

Packaging 0095 white: 750 ml, 3 l
Color System: 750 ml, 3 l

Use

Thinning If necessary, dilute with water up to approx. 5%.

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

Compatibility Do not mix with other types of materials.

Application Hydro-PU-Tec Silk Matt Enamel 2088 can be applied using a paintbrush or a roller. Paint brushes with synthetic bristles, such as the Uni-Plus Paint Brush, round 1204 are suitable for brush application. We recommend applying the material using the Hydro Paint Roller 1288 and smoothing the surface using the paintbrushes mentioned above. For roller application the Foam Paint Roller, Round 1107 or 1135 is particularly suitable. For spray application we recommend using Hydro-PU-XSpray Silk Matt Enamel 2288.

Consumption Approx. 110–130 ml/m² per layer.
Determine the exact consumption by means of a test application on the object to be coated.

Application temperature Do not apply if air or object temperature is below +5°C.

Tool cleaning Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 2 hours. Recoatable after approx. 8 hours. Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

Store in a cool, dry and frost-free place. Reseal opened containers tightly.

Declaration

Note Contains preservatives.

Product code BSW30
Comply with the specifications in the current safety data sheet.
Information for people allergic to isothiazolinone can be obtained by calling +49 251 7188-403

Substrate preparation

The substrate must be solid, dry, clean, 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. Pretreat, prime and/or apply the intermediate coat to the substrate, as required. See also VOB Part C, DIN 18363, Section 3.

Interior coats on wood

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
Wooden components, wooden materials, untreated	Depending on requirements, Lacryl Universal Primer 246 or Isoprimer 243	Depending on requirements and selection with Hydro-PU-Tec Undercoat 2020 or Isoprimer 243	1–2x Hydro-PU-Tec Silk Matt Enamel 2088
Wooden components, wooden materials, with intact old alkyd resin coating	If necessary, apply Lacryl Universal Primer 246 or Isoprimer 243 to damaged areas		
Wooden components, wooden materials, with intact old emulsion paint coating			

- 1) When using white or light coatings, apply the prime coat with Isoprimer 243 to prevent water-soluble constituents from bleeding through. We recommend applying two coats of primer on wood that is very rich in active substances.
- 2) Depending on the individual requirements in interior areas, e.g. Enamel Filler 518 can be used to fill surfaces after priming.

Interior coats on iron/steel

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
Iron/steel, untreated	Depending on requirements Metal Primer 850 or Multi-Primer 227	Depending on requirements and selection with Hydro-PU-Tec Undercoat 2020 or Lacryl Universal Primer 246	1–2x Hydro-PU-Tec Silk Matt Enamel 2088
Iron/steel, factory-primed	Apply Metal Primer 850 or Multi-Primer 227 to damaged areas		
Iron/steel, With intact, load-bearing old alkyd resin coating			
Iron/steel, With intact, load-bearing old emulsion paint coating			

- 1) Depending on the individual requirements in interior areas, e.g. Enamel Filler 518 can be used to fill surfaces after priming.
- 2) For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.

Interior coats on zinc, galvanized steel, aluminum, hard PVC

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
Untreated zinc and galvanized components	Depending on the requirements and selection with Lacryl Universal Primer 246, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864	Depending on requirements and selection with Hydro-PU-Tec Undercoat 2020, Lacryl Universal Primer 246 or Hydro-PU-Tec Silk Matt Enamel 2088	1–2x Hydro-PU-Tec Silk Matt Enamel 2088
Untreated aluminum			
Untreated hard PVC			
Intact, load-bearing old alkyd resin coating	Apply 1–2 coats of Lacryl Universal Primer 246, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864 to damaged areas	Depending on requirements and selection with Hydro-PU-Tec Undercoat 2020 or Lacryl Universal Primer 246	
Intact, load-bearing old emulsion paint coating			

1) Depending on the individual requirements in interior areas, e.g. Enamel Filler 518 can be used to fill surfaces after priming.

2) For coil coating, powder coating and two-component coatings as well as anodized aluminum, we recommend priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.

Notes

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

Follow safety measures The standard protective measures must also be adhered to when applying low-emission paints. Keep out of reach of children. 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.

Avoid contact with plasticizers Do not allow the paint coating to come into contact with plastics containing plasticizers, e.g. sealing profiles/sealants. Use plasticizer-free profiles.

High-use surfaces For surfaces with a higher degree of exposure, we recommend using two-component enamel paint systems.

Avoid “paint-on-paint” contacts Water-based enamel paints exhibit thermoplastic behavior. As a consequence, “paint-on-paint” contacts, e.g. due to stacking, 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 buildup, additional coats may be required.

Notes

- Abrasion in the event of mechanical stress** 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.
- Cleaning and care** For cleaning the painted surfaces, use a clean, soft cloth, dry or damp, without abrasive, solvent-based or caustic agents. Clean without applying excessive pressure (do not polish the surfaces). Perform a test cleaning beforehand in an inconspicuous area. Only clean surfaces that have completely dried and cured.
- 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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