

Hydro-PU-Tec Silk Matt Enamel 2088

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

Farbsystem

Basecode

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



Field of application

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

Properties

Water-based, low odor premium silk matt enamel paint, based on state-of-the-art PU-Bonding Agent Technology. With excellent flow characteristics and extremely low yellowing tendency. Easy to use, block-resistant, water vapor permeable, highly light resistant and easy to clean. Complies with EN 71-3 Safety of toys : Migration of certain elements.

Material description

Standard color	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 for this product (cat. A/d): 130 g/l (2010). This product contains a mass of 100 g/l VOC.
Contents	Urethane acrylate copolymers, titanium oxide, inorganic/organic colored pigments, organic filler materials, water, glycols, additives and preservatives.
Density	approx. 1.27 to 1.30 g/cm ³
Packaging	0095 white: 750 ml, 3 l Color System: 750 ml, 3 l

Use	
Thinning	If required, dilute with water up to approx. 5%.
Tinting	All colors can be mixed with one another.
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. For paintbrush application synthetic paintbrushes are particularly suitable, e.g. Uni-Plus Paint Brush, round 1204 and Aqua Ring Paint Brush 1215. We recommend applying the material using Hydro Paint Roller 1288 and smoothening the surface using the paintbrushes mentioned above. For roller application the Foamed Material Paint Roller, round 1107 or 1135 is particularly suitable. For spray application we recommend using Hydro-PU-Spray Silk Matt Enamel 2188.
Consumption	Approx. 110 to 130 ml/m ² per layer. Determine 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 immediately after use with water.
Drying (+20 °C, 65 % relative humidity)	
	Dust-dry after approx. 2 hours. Recoatable after approx. 8 hours. 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	
Note	Contains preservatives.
Product code	BSW30. Comply with the specifications in the current safety data sheet. Information for individuals allergic to isothiazolinone is available at phone +49 251 7188-403.

Substrate preparation

The substrate must be solid, dry, clean, load-bearing and free from any separating agents. Check existing coatings for their suitability, load-bearing and adhesive properties. Remove defective and unsuitable coats and dispose of them as per the applicable regulations. Thoroughly sand intact coats. Hazardous particles and vapors can be released while working on or removing coats, e.g. by means of sanding, flame cleaning, etc. Perform such work only in well ventilated areas and ensure the use of appropriate (breathing) protection as required. Pretreat the substrate depending on the requirements, apply a prime and/or intermediate coat. Also refer to 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, Lacryl Universal Primer 246 or Isoprimer 243	once or twice with Hydro- PU-Tec Silk Matt Enamel 2088
wooden components, wooden materials, with intact old alkyd resin paint coat	defective areas with Lacryl Universal Primer 246 or Isoprimer 243		
wooden components, wooden materials, with intact old dispersion enamel paint coat			

¹⁾ With white or light color shade paint coats on wood, prime the surface with Isoprimer 243 to prevent shining through of water-soluble constituents. With constituentrich wood two prime coats are recommended.

²⁾ Depending on the requirements, Enamel Filler 518 can be used interiors for treating the primed surfaces, for example.

Interior coats on iron / steel

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Topcoat
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	once or twice with Hydro-PU-Tec Silk Matt Enamel 2088
iron / steel, indoors, with factory prime coat	defective areas with Metal Primer 850 or Multi Primer 227		
iron / steel, with intact, bearing old alkyd resin paint coat			
iron / steel, with intact, bearing old dispersion paint coat			

¹⁾ Depending on the requirements, Enamel Filler 518 can be used indoors for treating the primed surfaces, for example.

²⁾ On CoilCoating, powder coatings, two-component coats and anodized aluminum, we recommend as a general rule priming with 2C Epoxy Primer 855.

Interior coats on Zinc, galvanized steel, aluminum, hard-PVC

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Topcoat
untreated zinc and galvanized components	depending on requirements and selection with Lacryl Universal Primer 246, 2K-Aqua Epoxy Primer 2373, or 2C Epoxy Primer 855	depending on requirements and selection with Hydro-PU-Tec Undercoat 2020, Lacryl Universal Primer 246 or Hydro-PU-Tec Silk Matt Enamel 2088	Hydro-PU-Tec Silk Matt Enamel 2088
untreated aluminum			
untreated hard PVC	depending on requirements and selection with Lacryl Universal Primer 246 or 2C Epoxy Primer 855		
intact, load-bearing old alkyd resin paint coat	defectives areas once or twice with Lacryl Universal Primer 246, 2K-Aqua Epoxy Primer 2373 or 2C Epoxy Primer 855	depending on requirements and selection with Hydro-PU-Tec Undercoat 2020 or Lacryl Universal Primer 246	
intact, load-bearing old dispersion paint coat			

¹⁾ Depending on the requirements, Enamel Filler 518 can be used indoors for treating the primed surfaces, for example.

²⁾ On CoilCoating, powder coatings, two-component coats and anodized aluminum, we recommend as a general rule priming with 2C Epoxy Primer 855.

Notes
Sand the substrates

We recommend intermediate sanding between the individual work steps. The surfaces must be sanded down to ensure a "paint-on-paint" structure.

Adhere safety measures

The typical safety measures are to be adhered to, even when working with low-pollution varnishes. Keep away from children. Use dust filter P2 when sanding. Ensure proper ventilation during processing and drying. Avoid eating, drinking, and smoking during processing. In case of contact with eyes or skin, immediately rinse with plenty of water. Ensure that the material cannot enter the sew-age system, bodies of water, or the ground.

Avoid contact with plasticizers

Keep varnish away from plasticizer-containing plastic materials, e.g. sealing profiles/sealing materials. Use plasticizer-free profiles.

Surfaces with heavy exposure

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

Avoid paint-on-paint contacts

Water-based paints behave like thermoplasts. For this reason paint-on-paint contacts, e.g. stacking, should 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 spectrum have a lower hiding power as a result of the pigment. For critical color shades, we recommend applying a full-covering base coat in these areas in the corresponding base color shade (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 the 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 Maintenance

To clean the coated surfaces, use a clean, soft cloth, which is either dry or damp, but without any abrasive, solvent-based or caustic cleaning agents. Avoid applying too much pressure when cleaning (i.e. do not polish the surfaces). First, test the cleaning result in an unobtrusive area. Only clean surfaces that have completely dried and set.

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.

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