

Hydro-PU-Tec High Gloss Enamel 2084

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

Color System

Base code

Pursuant to EN 71-3
Safety of toys
Resistant to saliva and sweat



Field of application

For environmentally friendly, particularly high-quality intermediate and top coats on primed wooden and metal surfaces indoors and in outdoor environments (protected against direct weathering). Preferred applications include, for example, doors, facings, frames, wooden paneling, etc. Can also be used for renovating intact paint coats. Also for durable coatings in small interior areas for example on textured substrates such as CreaGlas Fabric, relief wallpaper and woodchip wallpaper.

Properties

- Water-based
- Low odor
- Premium high gloss enamel
- For interior use and exterior environments
- 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
- Easy to apply

Material description

Standard color	0095 white A number of additional color shades can be mixed with the Brillux Color System.
Gloss grade	High gloss
Base material	Urethane-modified alkyd resin emulsion paint
VOC	EU limit for this product (Cat. A/b): 100 g/l (2010). This product contains max. 100 g/l VOC.

Material description

Constituent substances	Urethane-modified alkyd resin emulsion, titanium dioxide, inorganic/organic color pigments, water, glycols and additives.
Density	Approx. 1.27–1.30 g/cm ³
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 High Gloss Enamel 2084 can be applied using a paintbrush or a roller. Paint brushes with synthetic bristles, such as the Uni-Plus Paint Brush, round 1204 and Aqua Paint Brush, round 1215, are suitable for application. The Foam Paint Roller, Round 1107 or 1135 are particularly suitable for roller application .
Consumption	Approx. 110–130 ml/m ² 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 about 3 hours. Recoatable after approx. 12 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 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 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.

Coats on wood in exterior environments (protected against direct weathering)

Substrates	Impregnation ¹⁾	Prime coat ²⁾	Intermediate coat	Top coat
Wooden components with dimensional stability or limited dimensional stability, untreated: e.g., windows and doors, groove and tongue paneling (e.g., roof soffits)	Wood Preservative Primer 250	Lacryl Universal Primer 246 or Isoprimer 243		
Wooden components with dimensional stability or limited dimensional stability, with intact old alkyd resin coating	Treat untreated wooden surfaces with Wood Preservative Primer 250	Apply Lacryl Universal Primer 246 or Isoprimer 243 to damaged areas	Lacryl Universal Primer 246 or Isoprimer 243	1–2x Hydro-PU-Tec High Gloss Enamel 2084
Wooden components with dimensional stability or limited dimensional stability, with intact old emulsion paint coating				

¹⁾ Follow the instructions in BFS Leaflet No. 18, Sections 6 and 7.2.1.

²⁾ When using white or light coatings, apply the prime coat with Isoprimer 243 to prevent water-soluble constituents from bleeding through. We recommend providing two coats of primer on wood that is very rich in active substances.

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 High Gloss Enamel 2084
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 High Gloss Enamel 2084
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 High Gloss Enamel 2084	1–2x Hydro-PU-Tec High Gloss Enamel 2084
Untreated aluminum			
Untreated hard PVC	Depending on the requirements and selection with Lacryl Universal Primer 246, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864		
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.

Avoid contact with plasticizers

Do not allow the paint coating to come into contact with plastics containing plasticizers, e.g. sealing profiles/sealants, etc. 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

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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