

## Hydro-PU-Tec Undercoat 2020

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

Color System Basecode



### Field of application

For undercoating primed or filled wooden or metal surfaces in interior areas. Especially as an intermediate coat with good filling power, in the system build-up with Hydro-PU-Tec enamel paints. On primed woods and metal components, e.g., doors, architraves, frames, wooden paneling, etc. Furthermore, it is also suitable for recoating old, intact alkyd resin paint coats.

### Properties

- Water-based
- Low odor
- For interior use
- Based on state-of-the-art PU bonding agent technology
- Good filling and hiding power
- Excellent flow properties
- Easy to apply
- Easy to sand once cured

### Material description

<b>Standard color shade</b>	0095 white Basecode color shades and a number of light to medium color shades can be mixed using the Brillux Color System.
<b>Degree of gloss</b>	Matt
<b>Base material</b>	Urethanized alkyl resin emulsion
<b>VOC</b>	EU limit value for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC.
<b>Constituent substances</b>	Unethanized alkyl resin emulsion, titanium dioxide, inorganic/organic colored pigments, kaolin, glycols and additives
<b>Density</b>	Approx. 1.33-1.36 g/cm <sup>3</sup>
<b>Packaging</b>	0095 white: 750 ml, 3 l Color System: 750 ml, 3 l

## Use

<b>Thinning</b>	If necessary, dilute with water up to approx. 5%.
<b>Tinting</b>	All color shades can be mixed with one another.
<b>Compatibility</b>	Do not mix with other materials.
<b>Application</b>	Hydro-PU Undercoat 2020 can be applied using brush and roller application methods. Paint brushes with synthetic bristles, such as the Uni-Plus Paint Brush, round 1204 and Aqua Paint Brush, round 1215, are particularly suitable for application. For roller application, the Foamed Paint Roller, round 1107 or 1135, is ideally suited. For spray application, we recommend the use of Hydro-PU-Spray Filler 2120.
<b>Consumption</b>	Approx. 110-130 ml/m <sup>2</sup> per layer. Determine the exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply if air or object temperature is below +5 °C.
<b>Cleaning tools</b>	Clean tools immediately after use with water.

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

Dust dry after approx. 3 hours. Coatable after approx. 8 hours. Vibrant color shades required longer waiting periods before they are ready to sand or recoat. 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

<b>Note</b>	Contains preservatives
<b>Product code</b>	BSW30 Comply with the specifications in the current Safety Data Sheet. Information for those allergic to isothiazolinone can be obtained by calling +49 251 7188-403

<b>Substrate preparation</b>	The substrate must be solid, dry, clean, load-bearing, and free from separating agents. Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Sand intact paint coatings thoroughly. 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 only in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Also see VOB Part C, DIN 18363, Section 3.
<b>Prime coat</b>	Depending on the component, requirement and selection with priming on acrylic, alkyd or epoxy resin basis, e.g., Lacryl Universal Primer 246, Isoprimer 243, Metal Primer 850, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.
<b>Filling</b>	If required, 1–2x with Enamel Filler 518.
<b>Intermediate coat</b>	With Hydro-PU-Tec Undercoat 2020.
<b>Top coat</b>	In the system build-up, with Hydro-PU-Tec High-Gloss Enamel 2084 or Hydro-PU-Tec Silk Matt Enamel 2088.

**Notes**

<b>Avoid contact with plasticizers</b>	Do not allow the paint coating to come into contact with plastics containing plasticizers, e.g., sealing profiles/sealants, etc.. Use plasticizer-free profiles.
<b>High-use surfaces</b>	For surfaces with a higher degree of exposure, we recommend using two-component enamel paint systems.
<b>For Coil Coating, powder coating, and anodized aluminum heed the following</b>	For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.
<b>Avoid "paint-on-paint contacts"</b>	Water-based enamel paints exhibit thermoplastic behavior. As a consequence, paint-on-paint contacts, e.g., due to stacking, must be avoided.
<b>Implementation in brilliant and intense color shades</b>	Brilliant, pure intense color shades, e.g., in the yellow, orange, red, magenta and yellow green ranges have a lower hiding power due to the properties of the pigments used. For critical color shades, we recommend applying a full-covering base coat to these areas in the corresponding base color shade (Basecode). In addition to the standard coating buildup, additional coatings may be required.
<b>Further information</b>	Read and follow the instructions in the Data Sheets of the products to be used.

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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