

Hydro-PU-XSpray Silk Matt Enamel 2288



water-based, low odor, XVLP spray application quality, for interior use



Color System

Base code

Field of application

For environmentally compatible, high-quality topcoat spray coating on wood and wooden materials, metals, NI metals and coatable plastic (according to BFS Leaflet no. 22) etc. Also for coating radiators (heat resistant to +80°C). Specially formulated for efficient spray application in a system build-up with Hydro-PU-XSpray Filler 2220

Properties

- Water-based
- Low odor
- Premium silk matt enamel paint in spray application quality
- Corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- For interior use
- Based on state-of-the-art PU bonding agent technology
- Optimized for use with XVLP Spray tools
- Practical, easy-to-open screw cup
- Block resistant
- Extremely low yellowing tendency
- Excellent flow
- Good hiding power
- Quick drying
- Highly lightfast
- Easy to clean
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration

Material description

Colors 0095 white
Many additional color shades can be mixed using the Brillux Color System.

Gloss grade Silk matt

Base material Polyacrylate polyurethane dispersion

Material description

VOC	EU limit value for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC.
Density	Approx. 1.02–1.30 g/cm ³
Packaging	0095 white and Color System: 1 liter special container for XVLP sprayer only

Use

Thinning	Ready for spray application. Only apply undiluted.
Tinting	No tinting.
Compatibility	Do not mix with other types of materials.
Application	Apply Hydro-PU-XSpray Silk Matt Enamel 2288 undiluted using spray application. More information on spray application is provided in the following “Spray data” table.
Consumption	Approx. 140–170 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 immediately after use with water. Dried paint residues e.g. on spray nozzle, can be removed using Universal Cleaner 1032. Remove stubborn dirt with Special Synthetic Resin Thinner 915.

Spray data

Spray system	Nozzle	Spray angle	Supply air/ air quantity	Material pressure/ material quantity	Dilution	Cross- spraying
Low pressure ¹⁾	Yellow front end ²⁾	–	50–100%	Ring setting 6–8	undiluted	1–1½

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

¹⁾ Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

²⁾ StandardSpray spray attachment (yellow) for all standard enamel paints and woodstains. Also keep the nozzle clean during application. Remove dry paint material with a soft brush. Please follow the equipment manufacturer's instructions.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 1 hour. Recoatable after approx. 5 hours and fully cured after approx. 1–2 days. 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.

Substrate preparation

- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents.
- Degrease and derust iron.
- Thoroughly remove mill scale and oxide layer.
- 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 bare metal aluminum with Universal Cleaner 1032 and a nonwoven abrasive, then rinse thoroughly with warm water. When treating aluminum, follow the instructions in BFS Leaflet No. 6.
- Test intact factory prime coats or intact old coats for their suitability, load-bearing capacity and adhesive properties.
- Prepare plastics in accordance with BFS Leaflet No. 22.
- Check existing coatings for suitability, load-bearing capacity and adhesive properties.
- Carefully sand intact coatings.
- Completely remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations.
- When working on or removing coatings, health-hazardous dusts/vapors may be released, e.g. by sanding, burning, etc. Perform such work in well ventilated areas only and ensure the use of appropriate protective equipment (including respiratory protective equipment) 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 Hydro-PU-XSpray Isoprimer 2243	Hydro-PU-XSpray Filler 2220	Hydro-PU-XSpray Silk Matt Enamel 2288
Wooden components, wooden materials, with intact old enamel paint coating	If necessary, apply Lacryl Universal Primer 246 or Hydro-PU-XSpray Isoprimer 2243 to damaged areas		

1) When using white or light coatings, apply the prime coat with Hydro PU XSpray Isoprimer 2243 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
Untreated iron/steel, interior ¹⁾	Depending on requirements Metal Primer 850 or Multi-Primer 227	Hydro-PU-XSpray Filler 2220	Hydro-PU-XSpray Silk Matt Enamel 2288
Iron/steel, interior, with factory prime coat ¹⁾	Apply Metal Primer 850 or Multi-Primer 227 to damaged areas		
Iron/steel, interior, with existing intact paint coat			
Radiators with intact baked enamel finish, powder coating and untreated non-ferrous metal pipes in the interiors of buildings	2C Epoxy Varioprimer S 864 or 2C Epoxy Varioprimer 865		

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 2C Epoxy Varioprimer 865 or 2C Epoxy Varioprimer S 864. The suitability of coil coatings is to be evaluated on site on a case-by-case basis.

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

Substrates	Prime coat ^{1) 2)}	Prime and/or intermediate coat	Top coat
Untreated zinc, galvanized components, interior			
Aluminum, interior, bare metal, untreated	Depending on requirements 2K-Aqua Epoxy Sprayprimer 2375, 2K-Aqua Epoxy Primer 2373, 2C Epoxy Varioprimer S 864 or 2C Epoxy Varioprimer 865		
Untreated hard PVC, interior	2C Epoxy Varioprimer S 864 or 2C Epoxy Varioprimer 865	Hydro-PU-XSpray Filler 2220	Hydro-PU-XSpray Silk Matt Enamel 2288
Zinc and galvanized components with factory prime coat, interior	If required, with 2K-Aqua Epoxy Sprayprimer 2375, 2K-Aqua Epoxy Primer 2373, 2C Epoxy Varioprimer S 864 or 2C Epoxy Varioprimer 865		
Zinc and galvanized components, aluminum with existing intact paint coat, interior	If necessary, apply 2K-Aqua Epoxy Sprayprimer 2375, 2K-Aqua Epoxy Primer 2373, 2C Epoxy Varioprimer S 864 or 2C Epoxy Varioprimer 865 to damaged areas		

- 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 we recommend priming with 2K-EP Varioprimer 865 and/or 2K-EP Varioprimer S 864. The suitability of coil coatings is to be evaluated on site on a case-by-case basis.

Notes

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.

Use of various materials on one component

When using various products and application methods on components such as doors and door frames (door surfaces sprayed, frame brushed), we recommend setting up test areas beforehand. Slight deviations in color, gloss and surface appearance are unavoidable in this context (observe BFS Data Sheet No. 25).

Notes

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. 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.
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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