

Hydro-PU-Spray Silk Matt Enamel 2188



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



Color System

Basecode

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 AirCoat and airless spray application in a system with Hydro-PU-Spray Filler 2120. Especially for buildings with many doors, door frames and partitions, etc.

Properties

- Water-based
- Low odor
- Premium silk matt enamel paint in spray application quality
- for use indoors
- Based on state-of-the-art PU bonding agent technology
- Efficient application in airless and AirCoat spray methods
- Block resistant
- Extremely low yellowing tendency
- Excellent flow
- Good filling and hiding power
- Good light resistance
- Outstanding stability (up to 250 µm wet film thickness)
- Easy to clean
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Tested according to requirements of AgBB evaluation schemes

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	Polyacrylate polyurethane dispersion
VOC	EU limit value for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC.

Material description

Density	Approx. 1.0–1.35 g/cm ³
Packaging	0095 white: 5 l Color System: 5 l

Use

Thinning	Ready for spray application. Only apply undiluted.
Tinting	Do not tint.
Compatibility	Do not mix with other materials.
Application	Apply Hydro-PU-Spray Silk Matt Enamel 2188 undiluted using aircoat or airless spray application. More information on spray application is provided in the following "Spray data" table.
Consumption	Approx. 170–200 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 and air cap, can be removed using Universal Cleaner 1032. Remove stubborn dirt with Special Synthetic Resin Thinner 915.

Spray data

Spray system	Nozzle	Material temperature	Supply air	Material pressure/ material quantity	Thinning	Cross-spraying
AirCoat	0.009–0.011 inch ¹⁾	–	Approx. 1.0 bar	60–80 bar	unthinned	1 –1½
AirCoat/ TempSpray		+50–60°C	Approx. 1.0 bar	30–40 bar	unthinned	1 –1½
Airless	0.008–0.010 inch ²⁾	–	–	80–90 bar	unthinned	1 –1½
Airless/ TempSpray		+50–60°C	–	40–50 bar	unthinned	1 –1½
Battery- Airless ³⁾	0.008 inch	–	–	Regulator Level 5 (110 bar)	unthinned	1–1½

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

¹⁾ The information is based on the use of aircoat nozzles 09/40 (blue air cap)

²⁾ Information relating to the use of FineFinish nozzles 408 (Trade tip 3 - violet) e.g. for large-surface applications and nozzles 410 with otherwise unchanged settings.

³⁾ Information relating to the use of the SprayPack 18 V Select 3344 spraying system.

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.

Coating build-up

- Substrate preparation**
- 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.
 - Clean zinc and galvanized surfaces by rinsing with ammonia alkaline washing fluid (according to BFS Leaflet No. 5).
 - 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.
 - Thoroughly sand intact coats.
 - Thoroughly remove defective and unsuitable coatings 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.
 - 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	Hydro-PU-Spray Filler 2120	Hydro-PU-Spray Silk Matt Enamel 2188
Wooden components, wooden materials, with intact old enamel paint coating	If necessary, apply Lacryl Universal Primer 246 or Isoprimer 243 to damaged areas		

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	Hydro-PU-Spray Filler 2120	Hydro-PU-Spray Silk Matt Enamel 2188
Iron/steel, factory-primed			
Iron/steel, with intact old coating	Apply Metal Primer 850 or Multi-Primer 227 to damaged areas		
Radiators with intact baked enamel finish, powder coating and untreated non-ferrous metal pipes in the interiors of buildings	2K-EP Varioprimer S 864 or 2K-EP 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 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.

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

Substrates	Prime coat ^{1) 2)}	Prime and/or intermediate coat	Top coat
Untreated zinc and galvanized components	–	Hydro-PU-Spray Filler 2120	Hydro-PU-Spray Silk Matt Enamel 2188
aluminum metal blank, untreated	Depending on requirement, with 2K-Aqua EP Sprayprimer 2375, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer S 864 or 2K-EP Varioprimer 865		
Untreated hard PVC	2K-EP Varioprimer S 864 or 2K-EP Varioprimer 865		
Zinc and galvanized components with factory prime coat	If required, with 2K-Aqua EP Sprayprimer 2375, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer S 864 or 2K-EP Varioprimer 865		
Zinc and galvanized components, aluminum with existing intact paint coat	If necessary, apply 2K-Aqua EP Sprayprimer 2375, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer S 864 or 2K-EP 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).

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.

Notes

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.

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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