Hydro-PU-Spray Silk Matt Enamel 2188

Hydro-PU-Spray Seidenmattlack 2188

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

Properties

Water-based, low odor premium silk matt enamel paint, based on state-of-the-art PU bonding agent technology in spray application quality. White, silk matt, block resistant, with extremely low yellowing tendency, with very good stability plus excellent flow, and high light resistant. Complies with EN 71-3 Safety for Toys : Migration of certain elements. Specially designed for efficient Airless and AirCoat spray application in system with Hydro-PU-Spray Filler 2120.
In system build-up Hydro-PU-Spray Filler 2120 the material results in premium quality paint coats with just two spray applications thanks to its excellent stability and layer thickness.

Field of application

For environmentally compatible, high-quality top coat spray coating on wood and wooden materials, metals, NI metals and paintable plastic (according to BFS Leaflet no. 22) etc. Also for coating radiators (heat resistant to +80 °C).

Very efficient use in system build-up with Hydro-PU-Spray Filler 2120. Especially useful in applications involving many doors, door frames and partitions.

Material description

Standard color: 0095 white. Further colors can be mixed using the Brillux Color System.
Gloss grade: silk matt
Base material: polyacrylate polyurethane dispersion
VOC: EU limit for this product (cat. A/d):
130 g/l (2010).
This product contains a max. of 100 g/l VOC
Density: approx. 1.0 to 1.35 g/cm³, depending on color
Packaging:
0095 white: 5 l
Color System: 5 l

Use

Thinning
Ready for spray application. Apply unthinned.

Tinting
No tinting possible.

Compatibility
Do not mix with other types of materials.

Application
Hydro-PU-Spray Silk Matt Enamel 2188 must be applied unthinned using AirCoat or airless spray methods. For detailed information on spray application refer to the table on the next page.

Consumption
Approx. 170 to 200 ml/m² 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. Dried paint residues e.g. on spray nozzle or air valve, can be removed using Universal Cleaner 1032. Remove stubborn dirt with Special Synthetic Resin Thinner 915.

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

Dust dry after approx. 1 hour. Recoatable after approx. 5 hours, fully cured after approx. 1 to 2 days.
Allow longer drying times at lower temperatures and/or higher air humidity.

Spray data

Technique	Nozzle	Material temperature	Supply air	Material pressure	Thinning	Cross-spraying
AirCoat	0,009–0,011 Inch [1)]	-	ca. 1,0 bar	60–80 bar	unthinned	-
AirCoat/ TempSpray		+50–60 °C		30–40 bar		
Airless	0,008–0,010 Inch [2)]	-	–	80–90 bar	unthinned	-
Airless TempSpray		+50–60 °C		40–50 bar		

Data is based on a substrate and ambient temperature of +20 °C
[1)] Information with reference to the use of AirCoat Nozzles 9/40 (blue air cap).
[2)] Information with reference to the use of FineFinish Nozzles 408 (TradeTip 3 - violet), for large-surface applications, for example, also nozzle 410, otherwise with identical settings.

Storage

Store in a cool, dry and frost-free location. Reseal opened containers tightly.

Declaration

Note
Contains preservatives.

Water pollution classification
WGK 1, according to VwVwS.

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 any separating agents. Check existing coatings for their suitability, load-bearing and adhesive properties. Remove defective and unsuitable coats thoroughly and dispose of them as per the applicable regulations. Thoroughly sand intact coats. Hazardous particles and vapors may be released while reworking on 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 refer to VOB Part C, DIN 18363, Section. 3.

Wood, interior

Substrates	Prime coat[1) 2)]	Intermediate coat	Top coat
untreated wooden structures/components and wood materials	depending on requirements Lacryl Universal Primer 246 or Isoprimer 243	Hydro-PU-Spray Filler 2120	Hydro-PU-Spray Silk Matt Enamel 2188
wooden components/structures and wood materials with existing intact paint coat	defects, if necessary, with Lacryl Universal Primer 246 or Isoprimer 243		

[1)] When applying white or light color shade paint coats on wood prime surface with Isoprimer 243 to prevent shining through of water-soluble constituents. With constituent-rich wood two prime coats are recommended.

[2)] Depending on requirements Enamel Filler 518 can be used in interior applications to treat primed surfaces.

Iron/steel, interior

Substrates	Prime coat [1) 2)]	Intermediate coat	Top coat
untreated iron/steel	depending on requirements Metal Primer 850 or Multi Primer 227	Hydro-PU-Spray Filler 2120	Hydro-PU-Spray Silk Matt Enamel 2188
interior iron/steel with factory prime coat	defective areas with Metal Primer 850 or Multi Primer 227		
iron/steel 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 Primer 855		

[1)] Depending on requirements Enamel Filler 518 can be used in interior applications to treat primed surfaces.

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

Zinc, galvanized steel, aluminum, hard-PVC, interior

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
untreated aluminum	depending on requirement 2K-Aqua Epoxy Spray Primer 2375, 2K-Aqua Epoxy Primer 2373 or 2C Epoxy Primer 855		
untreated hard PVC	2C Epoxy Primer 855		
zinc and galvanized components and structures with factory prime coat	if required with 2K-Aqua Epoxy Spray Primer 2375, 2K-Aqua Epoxy Primer 2373 or 2C Epoxy Primer 855		
zinc and galvanized components, aluminum with existing intact paint coat	defects, if required, with 2K-Aqua Epoxy Spray Primer 2375, 2K-Aqua Epoxy Primer 2373 or 2C Epoxy Primer 855		

[1)] Depending on requirements Enamel Filler 518 can be used in interior applications to treat primed surfaces.

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

Notes

Avoid contact with plasticizers
Keep varnish away from plasticizer-containing plastic materials e.g. sealing profiles/sealing materials. Use plasticizer-free profiles.

Shelves, table tops or similar objects
Coat rack shelves, table tops, seating furniture etc. using solvent-based 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 (comply with BFS Data Sheet No. 25).

Avoid paint-on-paint contacts
Water-based paints behave like thermoplasts. For this reason “paint-on-paint contacts”, e.g. stacking, should be avoided.

Designs with brilliant or intense colors
Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low covering capacity 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 case of mechanical strain
In the case of intensive and dark colors, mechanical stress can cause pigment abrasion on the coat surface. This is state-of-the-art for silk matt enamel paints and shall not give rise to complaints.

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 has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

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Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com