

Hydro-PU-Spray Filler 2120



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



Color System

Base code

Field of application

For efficient, adhesion-promoting, spray-applied prime and intermediate coats on wood and wooden materials, metals (including NI metals) and coatable plastic materials (according to BFS Leaflet no. 22), etc. Also as intermediate coating on heating radiators (heat-resistant up to +80°C). Very efficient use in system build-up with Hydro-PU-Spray Silk Matt Enamel 2188; to be implemented in only two spray applications. Especially economical in applications involving many doors, door frames and partitions.

Properties

- Water-based
- Low odor
- Premium filler
- For interior use
- Based on state-of-the-art PU bonding agent technology
- Efficient application in airless and AirCoat spray methods
- Good filling and hiding power
- Outstanding flow
- Outstanding stability (up to 250 µm film thickness)
- Tested according to requirements of AgBB evaluation schemes

Material description

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| Colors | 0095 white Basecode color shades and many light to medium color shades can be mixed using the Brillux Color System. |
| Gloss grade | mat |
| Base material | urethanized polyacrylate dispersion |
| VOC | EU limit value for this product (Cat. A/d): 130 g/l (2010). This product contains max. 100 g/l VOC. |
| Density | Approx. 1.3–1.35 g/cm ³ |
| Packaging | 0095 white: 5 l Color System: 5 l |

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-Spray Filler 2120 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/m² 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 | 70–90 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⁾ | – | – | 70–90 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.
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

Note Contains preservatives

Product code BSW20
Comply with the specifications in the current safety data sheet.

Coating build-up

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| Substrate preparation | <ul style="list-style-type: none">- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing, and free from separating agents.- 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.- Prepare plastics in accordance with BFS Leaflet No. 22.- Test intact factory prime coats or intact old coats for their suitability, load-bearing capacity and adhesive properties.- Remove any coatings that are defective and unsuitable.- Thoroughly sand intact coats. 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. 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. |
| Prime coat | Depending on the component and requirement, with Lacryl Universal Primer 246, Impredur Primer 835, Metal Primer 850, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864. When using a white or light coating on untreated wood, apply the prime coat with Isoprimer 243 to prevent water-soluble constituents from bleeding through. We recommend applying two coats of primer to wood that is very rich in active substances. |
| Intermediate coat | Prime/intermediate coat unthinned, with Hydro-PU-Spray Filler 2120. Before applying the top coat, use a very fine nonwoven abrasive fleece to remove any dust/debris, e.g. Nonwoven Abrasive Tool Pad, Very Fine 3244 or sandpaper with 360 grit or finer. |
| Top coat | Top coat in the system with Hydro-PU-Spray Silk Matt Enamel 2188. |

Notes

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| 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. |
| Coil-coating, powder coating | For coil coating, powder coating, and two-component coatings as well, we recommend priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864. |
| 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. |
| 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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