Data Sheet

Hydro-PU-XSpray Filler 2220

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

Water-based · Ready-to-spray XVLP · TESTED AgBB · Color System Basecode

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). Specially formulated for efficient spray application in a system build-up with Hydro-PU-XSpray Silk Matt Enamel 2288.

Properties

- Water-based
- Low odor
- Premium filler
- For use indoors
- Based on state-of-the-art PU bonding agent technology
- Optimized for use with XVLP Spray tools
- Practical, easy-to-open screw cup
- Good filling and resistance to flow
- Outstanding flow
- Quick drying
- Tested according to requirements of AgBB evaluation schemes

Material description

Colors
0095 white
Basecode color shades and many light to medium color shades can be mixed using the Brillux Color System.

Gloss grade
matt

Base material
urethanized polyacrylate dispersion

VOC
EU limit for this product (cat. A/d): 130 g/l (2010).
This product contains max. 100 g/l VOC.

Density
Approx. 1.25–1.30 g/cm³

Packaging
0095 white and Color System: 1 liter special container for XVLP sprayer only

Use

Thinning Ready for spray application. Only apply undiluted.

Tinting Do not tint.

Compatibility Do not mix with other types of materials.

Application Apply Hydro-PU-XSpray Filler 2220 undiluted using XVLP spray application. More information on spray application is provided in the following “Spray data” table.

Consumption Approx. 140–170 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 with water immediately after use. 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	Thinning	Cross-spraying
Low pressure [1]	Yellow front end [2]	–	50–100%	Ring setting 6–8	Unthinned	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. 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

Substrate preparation	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, 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.
Prime coat	Depending on component, requirements and selection, apply a prime coat based on acrylic, alkyd or epoxy, such as Lacryl Universal Primer Isoprimer 243, Metal Primer 850, 2K-Aqua EP Spray Primer 2375, 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.
Filling	If required, once or twice using Enamel Filler 518.
Intermediate coat	Prime/intermediate coat unthinned, with Hydro-PU-XSpray Filler 2220. Before applying the top coat, use a very fine nonwoven abrasive 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-XSpray Silk Matt Enamel 2288.

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.
Coil-coating, powder coating	For coil coating, powder coating and two-component coatings 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.

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