Data Sheet

Multi-Primer 227

Rust passivating, adhesion promoting, thick-layered, for interior and exterior use

Basecode

Field of application

Can be recoated for thick-film, anti-corrosive primers on iron and steel substrates, especially in system build-up with MP Thick Film 229, but also with all Brillux alkyd resin paints. Also suitable as a universal adhesion primer for old coatings and on non-ferrous metals, e.g. zinc, galvanized steel, aluminum, as well as on coatable plastics (see BFS Leaflet No. 22). For prime coats and intermediate coats, exterior and interior, e.g. on hall constructions, masts, railings, crane systems, pipelines, wall and ceiling cladding.

Properties

- Fast-drying
- Single-component
- For interior and exterior use
- Excellent adhesion on many substrates, even on zinc
- Good mechanical resistance
- Can be used for thick-film coating based on DB-TL 918 300, page 75
- Almost no embrittlement thanks to a bonding agent with a mixed polymer resin base
- Weather-resistant in system build-up with, e.g., MP Thick Film 229 or Brillux alkyd resin enamel paints
- Tested in the system build-up on steel according to corrosivity category C4 in accordance with DIN EN ISO 12944, part 6

Material description

Color shades

Scala No.	Description
–	0095 white
27.12.24	8101 red brown
87.03.18	7106 gray

Basecode color shades can be mixed using the Brillux Color System

Degree of gloss Matt

Brillux ..more than paint

Material description

Base material Mixed polymer resin base, solvent-based

VOC EU limit value for this product (Cat. A/i): 500 g/l (2010).
This product contains max. 500 g/l VOC.

Flash point +25 °C

Density Approx. 1.42–1.53 g/cm³ (depending on the color shade)

Packaging 0095 white: 750 ml, 3 l, 10 l
8101 red brown: 3 l
7106 gray: 3 l, 10 l
Color System: 750 ml, 3 l, 10 l

Use

Dilution For thick-layer applications, apply undiluted. If necessary, dilute with Synthetic Resin Thinner 915. Dilution addition max. 4 vol%.

Tinting All color shades can be mixed with one another.

Compatibility Can only be mixed with similar materials and those specified in this data sheet.

Application Multi-Primer 227 can be applied by using a brush, roller and Airless spray application. Stir thoroughly before use.

Consumption Approx. 120 ml/m² per layer (for dry film thickness of approx. 40–50 µm).
Approx. 210 ml/m² per layer in airless spray application (incl. 20% spray loss with dry film thickness of approx. 80 µm).
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 with Special Synthetic Resin Thinner 915 or Quick-acting Brush Cleaner 111 immediately after use.

Spray data

Spray system	Nozzle	Nozzle angle	Material pressure/material quantity	Dilution	Cross-spraying
Airless [1)]	0.018–0.026 inch	50°-80°	About 180 bar	undiluted	1

The data is based on substrate and ambient temperatures of +20 °C.
[1)] The information is based on the use of FineFinish nozzles 410 (TradeTip 3 - yellow).

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

Dust dry after approx. 1 hour. Can be recoated with MP Thick Film 229 after approx. 4 - 3 hours and with alkyd resin paints after approx. 24 hours. Complete curing requires several days depending on the layer thickness and temperature. Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

Store in a cool and dry place. Reseal opened containers tightly.

Declaration

Product code	BSL50 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. Degrease and derust iron. Thoroughly remove mill scale and layers of welding scale. 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 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. Inspect factory coatings as well as intact old coatings 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 when reworking or removing old paint coats, e.g. as a result of sanding, heat gun paint removal, etc. Perform such work only in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as necessary. Pretreat the substrate in accordance with the requirements. See also VOB Part C, DIN 18363, Section 3.
Prime and intermediate coat	Depending on the type of structural component, requirement and choice, with Multi-Primer 227 and/or top coat paints
Top coat	Depending on the type of structural component, requirement and choice, further system build-up with MP Thick Film 229 or alkyd resin or acrylic resin paints.

Notes

Excluded field of application	Do not use Multi-Primer 227 for coating heating pipes and radiators.
Primer on wood	We recommend using Impredur Primer 835 for priming on wood.
Do not apply to inner surfaces of furniture	Do not paint the inner surfaces of furniture and cabinets with alkyd resin enamel paints due to the potentially unpleasant odor.
For Coil Coating, powder coating, and anodized aluminum heed the following	For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864.
Implementation in brilliant and intense color shades	Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta, and yellow green spectrum have a lower hiding power due tof the pigment used. 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.
Further information	Follow the instructions on 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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