Data Sheet

Metal Primer 850

Rust passivating, quick-drying, for exterior and interior use

Basecode Color System

Field of application

For prime coating of iron metals, and steal, for exterior and interior use. Due to heat resistance, material can also be used on hot water radiators.

Properties

- Based on alkyd resin
- Matt
- Rust passivating
- Adhesion promoting
- Fast-drying
- Heat resistant up to +180 °C.
- Easy to apply
- For interior and exterior use

Material description

Color shades

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

Basecode color shades and light to medium color shades can be mixed with the Brillux Color System.

Gloss grade matt

Material basis alkyd resin, solvent-based

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

Flash point +25 °C

Density approx. 1.23 g/cm³

Packaging Standard: 375 ml, 750 ml, 3 l, 10 l (depending on color shade)
Color System: 375 ml, 750 ml, 3 l, 10 l

Brillux ..more than paint

Use

Thinning If necessary for paintbrush and roller application use Turpentine Substitute 321. For spray application, thin with Special Synthetic Resin Thinner 915. Add a maximum of 7 % by volume.

Tinting All colors can be mixed with one another without limitations.

Compatibility Only mixable with similar materials and those specified in this Data Sheet.

Application Metal Primer 850 can be applied by means of paint brush, rollers and spraying.

Consumption Approx. 90–100 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 Turpentine Substitute 321 or Quick-Acting Brush Cleaner 111.

Spray data

Technique	Nozzle	Jet angle	Supply air/ air volume	Material pressure/ material quantity	Thinning	Cross-spraying
Low pressure [1)]	yellow front end [2)]	–	75–100 %	Ring setting 5–7	approx. 5 %	1
Airless [3)]	0,013–0,015 Inch	20°–50°	–	approx. 160 bar	approx. 5 %	1

Data is based on a substrate and ambient temperature of +20 °C
[1)] Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.
[2)] Standard spray adapter for all typical varnish paints. Keep jet clean during application, too. Remove dried paint material using a soft brush. Follow machine manufacturer's instructions.
[3)] Information relating to the use of FineFinish nozzles 408/410/412 (Trade tip 3 - violet)

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

Dust dry after approx. ½ hour. Recoatable after approx. 3 hours. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

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

Declaration

Product code BSL40.
Comply with the specifications in the Safety Data Sheet.

Coating build-up

Substrate preparation	The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from any separating materials. Degrease and derust iron. Thoroughly remove mill scale and layers of welding scale. Check intact existing prime coats or intact old coats for their suitability, load-bearing capacity and adhesive properties. Thoroughly sand intact coats. Remove defective and inappropriate coatings. 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. Prepare the substrate in accordance with the specific requirements. Also see VOB Part C, DIN 18363, Section 3.
Prime and intermediate coat	Using Metal Primer 850.
Top coat	Depending on component, requirements and selection, coat with alkyd resin or acrylic resin paints.

Notes

No inner furniture surfaces	The inner surfaces of furniture and cupboards should not be painted with alkyl resin paints because of possible odor built up.
Prime coat on CoilCoating, coating powder, anodized aluminum etc.	On CoilCoating, powder paint and two-component coatings as well as on anodised aluminium, we recommend as a general rule priming with 2C Epoxy Varioprimer 865 or 2C Epoxy Varioprimer S 864.
Designs with brilliant or 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 build-up, additional coats may be required.
Use in shipbuilding	For use in shipbuilding, the specifications of the EC-type examination certificate (module B) are to be taken into account. Furthermore, a copy of the declaration of conformity (DoC) must be provided for the ship's documentation. Module B as well as the DoC for the current production year can be accessed online in the "Shipbuilding declaration of conformity" file.
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. Version I

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