

## Metal Primer 850



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

Color System

Basecode

### Field of application

For prime coating of iron metals, and steel, 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
	–	9900 black
		Basecode color shades and light to medium color shades can be mixed with the Brillux Color System.
<b>Gloss grade</b>		matt
<b>Material basis</b>		alkyd resin, solvent-based
<b>VOC</b>		EU limit for this product (cat. A/i): 500 g/l (2010). This product contains a max. of 500 g/l VOC.
<b>Flash point</b>		+25 °C
<b>Density</b>		approx. 1.23 g/cm <sup>3</sup>
<b>Packaging</b>		Standard: 375 ml, 750 ml, 3 l, 10 l (depending on color shade) Color System: 375 ml, 750 ml, 3 l, 10 l

## 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 using paint brush, rollers and spraying application methods. All information on spray application are summarized in the following table "Spray data".
- Consumption** Approx. 90–100 ml/m<sup>2</sup> 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 <sup>1)</sup>	yellow front end <sup>2)</sup>	–	75–100 %	Ring setting 5–7	approx. 5%	1
Airless <sup>3)</sup>	0,013–0,015 Inch	20°–50°	–	approx. 160 bar	approx. 5%	1
Battery- Airless <sup>4)</sup>	0,013–0,015 Inch	–	–	regulator Level 5 (110 bar)	approx. 5%	½

Data is based on a substrate and ambient temperature of +20 °C

<sup>1)</sup> Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

<sup>2)</sup> 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.

<sup>3)</sup> Information relating to the use of FineFinish nozzles 408/410/412 (Trade tip 3 - violet)

<sup>4)</sup> Information relating to the use of the SprayPack 18 V Select 3344 spraying system.

## 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

<b>Substrate preparation</b>	<ul style="list-style-type: none"><li>- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from any separating materials.</li><li>- Degrease and derust iron. Thoroughly remove mill scale and layers of welding scale.</li><li>- Check intact existing prime coats or intact old coats for their suitability, load-bearing capacity and adhesive properties.</li><li>- Thoroughly sand intact coats.</li><li>- Remove defective and inappropriate coatings.</li><li>- 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.</li><li>- Also see VOB Part C, DIN 18363, Section 3.</li></ul>
<b>Prime and intermediate coat</b>	Using Metal Primer 850.
<b>Top coat</b>	Depending on component, requirements and selection, coat with alkyd resin or acrylic resin paints.

## Notes

<b>No inner furniture surfaces</b>	The inner surfaces of furniture and cupboards should not be painted with alkyd resin paints because of possible odor built up.
<b>Primer on coil coating, powder coating etc.</b>	On CoilCoating, powder coatings and two-component coats we recommend as a general rule priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864. The suitability of coil coatings must be verified individually on-site.
<b>Designs with brilliant or intense color shades</b>	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.
<b>Use in ship construction</b>	For use in ship construction, observe the conditions in the EC-Type Examination (Module B) Certificate. The module is available on the Internet as the "EC-type examination certificate for ship construction". A Declaration of Conformity (DoC) can be requested from the Brillux Consulting Service – <a href="mailto:tb@brillux.de">tb@brillux.de</a> , stating the batch number to be used.
<b>Further information</b>	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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