

## Stove Enamel Primer 5601



Well-filling universal stove enamel primer with very good corrosion properties for coating ferrous and non-ferrous metals

### Field of application

Perfectly suitable for construction and agricultural machines, racks and switchgear cabinets.

### Properties

- excellent adhesion properties on steel panels and non-ferrous metal surfaces
- high filling power
- recoatable with suitable stove enamels
- in combination with suitable stove enamels, e.g. 5590, 5591, 5592 highly weather resistant and very good corrosion protection

### Technical Data

<b>Basis</b>	Combination of alkyd- and amino-resin
<b>Color</b>	Beige, red brown, light gray, white, black
<b>Degree of gloss</b>	Silk matt
<b>Density</b>	1.30 to 1.51 g/cm <sup>3</sup> (in accordance with DIN ISO 2811) <sup>1)</sup>
<b>Theoretical coverage</b>	303 to 340 m <sup>2</sup> /kg (at 1 µm dry film thickness) <sup>1)</sup>
<b>Solid content</b>	60 to 70 weight% <sup>1)</sup>
<b>Delivery viscosity at 20 °C</b>	90 to 100 sec./DIN 4 mm
<b>Salt spray test</b>	delamination at scribe ≤ 2 mm (according to DIN EN ISO 4628-8) on degreased steel <sup>2)</sup> ≥ 240 h (according to DIN EN ISO 9227-NSS)
<b>Condensation water test</b>	degree of blistering 0 (S0) (according to DIN EN ISO 4628-2) on degreased steel <sup>2)</sup> ≥ 240 h (according to DIN EN ISO 6270-2)
<b>Stability</b>	150 to 200 µm (wet film)
<b>Electric resistance</b>	250 to 350 kΩ (Ransburg sensor)
<b>Labeling</b>	See current Safety Data Sheet.

<sup>1)</sup> depending on color

<sup>2)</sup> Gardobond OC

## Coating suggestion

Substrates <sup>3)</sup>	Prime coat	Intermediate Coat <sup>4)</sup>	Top coat
<b>Steel</b> preferably sand-blasted (degree of purity at least SA 2 ½ in accordance with DIN EN ISO 12944, Part 4 ), iron-phosphated.	Stove Enamel Primer 5601 20 to 40 µm	usually not necessary	Stove Enamel 5590, 5591, 5592 30 to 40 µm
<b>non-ferrous metals</b>			

<sup>3)</sup> Generally, the substrate shall be free from grease, oil, separating and drawing agents as well as corrosion products and other impurities.

<sup>4)</sup> In the case of topcoats with intense color shades an additional intermediate coat in RAL 9010 (approx. 40 µm) using 5592.-.9010, is required (see Technical Data Sheet 5590, 5591, 5592).

## Process

Material has to be stirred until homogeneous before application.

**Thinning** Enamel Electrostatic Thinner 5108, Spray Thinner 5121.  
Disperse homogeneously by stirring.

**Application temperature** ≥ 10 °C

**Air humidity** < 75 % r. h.

**Compatibility** Compatibility is given only in combination with the thinners and primers mentioned in this Technical Data Sheet.

**Application** Air spraying, electrostatic spraying

## Drying

**Oven-drying** Keep the flash-off time for 5 to 10 minutes. Afterwards stoving the paint for approx. 10 minutes at an object temperature of approx. 160 °C or approx. 30 minutes at an object temperature of approx. 130 °C.  
Ready for reworking after oven-drying.  
The substrate has to cool down ≤ 40 °C before re-working.

## Spray data

Process	Nozzle	Pressure	Application viscosity <sup>5)</sup>
Air spraying	1.2 to 1.5 mm	3 to 4 bar	20 to 30 sec.
Electrostatic spraying	configuration dependent	configuration dependent	20 to 30 sec.

<sup>5)</sup> measured in DIN 4 mm flow cup

## Container sizes

30 kg

## Shelf life

24 months after receipt.

Store in a sealed container in a dry place and at room temperature (at most 25 °C). Protect from heat sources and direct sunlight. Always keep the containers tightly sealed. Protect the contents from surface drying and drying out. Dried paint residues and surface-dried skin are insoluble in paint and can only be removed by sieving.

### Minimum shelf life

Refer to label

## Remark

This Technical Data Sheet is based on intense development work and many years of practical experience. The contents do not constitute any contractual relationship. The user/buyer is not released from his/her obligation to test our products for suitability for the intended application. In addition, our General Terms and Conditions shall apply.

As soon as a new edition of this Technical Data Sheet is issued, the previous specifications become invalid.  
If you need the current version, please contact your Brillux consultant, Version 7.

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