

Synthetic Resin Primer 5200

Efficient, alkyd resin-based universal spray primer with good corrosion protection

Basis

Modified, oxidatively curing alkyd resin

Colors

Beige, red brown, light gray, white, black

Gloss grade

Matt

Properties

- excellent adhesion on steel and gray cast iron substrates
- fast-drying
- air drying or forced air drying
- in combination with Synthetic Resin Paint 5460, 5461, 5462, highly weather-resistant with good corrosion protection

Field of application

Excellent for agricultural and construction machinery, for instruments, motors/gears, utility vehicles, switchboards, silos, living and construction containers.

Technical data

Density

1.30 to 1.7 g/cm³ ¹⁾
(in accordance with DIN EN ISO 2811)

Theoretical coverage

281 to 338 m²/kg ¹⁾
(with 1 µm dry film thickness)

Solids content

62 to 68 weight % ¹⁾

Delivery viscosity at 20°C

95 to 105 sec/DIN 4 mm

Stability

200 to 300 µm (wet film)

Salt spray test ²⁾

Delamination at scribe ≤ 2 mm
(in accordance with DIN EN ISO 4628-8)

on degreased steel: ³⁾

≥ 240 h

on SA 2 ½ sand-blasted steel:

≥ 480 h

(in accordance with DIN EN ISO 9227-NSS)

Condensation water test ²⁾

Degree of blistering 0 (S0)
(in accordance with DIN EN ISO 4628-2)

on degreased steel: ³⁾

≥ 240 h

on SA 2 ½ sand-blasted steel:

≥ 120 h

(in accordance with DIN EN ISO 6270-2)

Flash point

> 23 °C

Electric resistance

2000 to 3000 kΩ
(Ransburg probe)

Labelling

See current safety data sheet.

1) depending on color

2) in combination with recommended coatings (see coating recommendation)

3) Gardobond OC

Coating recommendation

Substrates ¹⁾	Prime coat	Intermediate coat	Top coat ²⁾
Steel Preferably sand-blasted (degree of purity at least SA 2 ½ in accordance with DIN N ISO 12944, Part 4), iron or zinc-phosphated. Cast iron, etc.	Synthetic Resin Primer 5200 30 to 50 µm	Usually not necessary In the case of topcoats with intense color shades an additional intermediate coat in RAL 9010 (approx. 40 µm) using 5461.-.9010, is required (see Technical Data Sheet 5460, 5461, 5462)	Synthetic Resin Paint 5460, 5461, 5462 40 to 60 µm

- 1) Generally, the substrate shall be free from grease, oil, separating and drawing agents as well as corrosion products and other impurities.
 2) The re-workability with Brillux Synthetic-Resin Paint 5460, 5461, 5462 is given after 12 hours. Re-workability and mechanical properties in combination with commercial 2C-Epoxy- and 2C-PUR-Systems must be checked in the given case.

Process

Material has to be stirred until homogeneous before application.

Thinning

Spraying 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 paints mentioned in this Technical Data Sheet.

Application

Air spraying, airless spraying, air-mix spraying, hot airless spraying, roller coating application, limited brushing.

Drying

Air drying

(at + 20 °C, 65% r. h.)

Dust-dry after 30 to 40 minutes non-sticky after approx. 1 to 2 hours, ready for re-working after approx. 12 hours. Dry after approx. 24 hours. Fully cured after 5 to 6 days.

Oven-drying

Keep the flash-off time for 20 to 30 minutes. Afterwards stoving the paint for approx. 30 minutes at an object temperature of approx. 80 °C or approx. 40 minutes at an object temperature of approx. 60 °C.

At lower temperatures and/or higher air humidity longer drying times have to be considered.

Spray data

Process	Nozzle	Pressure	Application viscosity ³⁾
Air spraying	1.2 to 1.5 mm	3 to 4 bar (air)	25 to 35 sec.
Airless spraying	0.28 to 0.38 mm	100 to 200 bar (material)	95 to 105 sec.
Air-mix spraying	0.28 to 0.38 mm	100 to 200 bar (material) 1 to 3 bar (air)	95 to 105 sec.

- 3) Measured in DIN 4 mm flow cup (in mixture).

Packaging

30 kg

Storage

1 year after receipt.

Store in original closed container, dry and at room temperature. Protect against heat and direct sunlight.

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 6

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