

## Zinc Dust Paint 5207



High quality, contains zinc-dust, epoxy ester-based corrosion protection primer for priming ferrous substrates

### Field of application

In combination with appropriate top coats (see coating recommendation) coatings of high weather resistance and very good corrosion protection can be received. Perfectly suitable for e.g.: construction and farming machinery, silos and tanks, gates and fence systems housing and construction containers.

### Properties

- very good adhesion on blasted steel substrates
- can only be used on uncoated metallic ferrous substrates
- excellent corrosion protection
- good corrosion protection
- quick drying
- temperature-resistant up to 250 °C

### Technical data

<b>Basis</b>	Epoxy ester resin, zinc dust
<b>Colors</b>	Gray
<b>Degree of gloss</b>	Matt
<b>Density</b>	2.0 to 2.2 g/cm <sup>3</sup> (in accordance with DIN ISO 8130-2)
<b>Theoretical coverage</b>	177 to 188 m <sup>2</sup> /kg (with 1 µm dry film thickness)
<b>Solids content</b>	70 to 76 weight-%
<b>Delivery viscosity at 20 °C</b>	70 to 80 sec./DIN 4 mm
<b>Stability</b>	150 to 250 µm (wet film)
<b>Flash point</b>	> 23 °C
<b>Labeling</b>	See current safety data sheet.

## Coating recommendation

Substrates <sup>1)</sup>	Prime coat	Intermediate coat <sup>2)</sup>	Top coat <sup>3)</sup>
<b>Steel</b> Preferably sand-blasted (degree of purity at least SA 2 ½ in accordance with DIN EN ISO 12944, Part 4)	Zinc Dust Paint 5207 30 to 40 µm	Synthetic Resin Primer 5200 30 to 50 µm  In case of topcoats with intensive 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

<sup>1)</sup> Generally, the substrate should be free from grease, oil, separating and drawing agents as well as corrosion products and other impurities.

<sup>2)</sup> A second layer is not always required (depending on your specification).

<sup>3)</sup> Because of fast drying the paint is recoatable with synthetic resin paint after a short time.

## Process

Material has to be stirred until homogenous before application.

**Thinner** Spray Thinner 5121  
Disperse homogeneously by stirring.

**Application temperature** ≥ 10 °C

**Humidity** < 75 % relative humidity

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

## Application

Air spraying, airless spraying, limited brush application

## Drying

**Air-drying (at + 20 °C, 65 % r. h.)** Dust-dry after 30 to 40 minutes non-sticky after 1 to 2 hours, dry and ready for re-working after approx. 24 hours. Fully cured after 5 to 6 days.

**Oven drying** Allow for approx. 30 minutes flash-off time. Then allow the paint to stove in for approx. 30 minutes at an object temperature of 80 °C or approx. 60 minutes at an object temperature of 60 °C.

At lower temperatures and/or higher air humidity longer drying times are possible.

## Spray data

Process	Nozzle	Pressure	Application viscosity <sup>4)</sup>
air spraying	1.2 to 1.5 mm	3 to 4 bar	25 to 35 sec.
airless spraying	0.28 to 0.38 mm	100 to 200 bar (material)	45 to 50 sec.

<sup>4)</sup> Measured in DIN 4 mm flow cup (in mixture).

## Packaging

18 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 8.

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