Technical Data Sheet

1K Adhesive Primer 5408

Adhesive primer that can be universally used, particularly on coil coating substrates





| Field of application | | |
|--|---|--|
| | As an adhesive primer for difficult substrates, highly weather-resistant coatings are achieved in conjunction with suitable topcoat systems (see coating proposal). Ideally suited for garage doors, shop and trade fair construction as well as vending machines. Also suitable for containers as well as doors and frames. | |
| Properties | | |
| | excellent adhesion even on difficult substrates and many plastics dries very quickly can be sanded and painted over after approx. 15 min (depending on the layer thickness) preferably used as an adhesive primer for coil-coated sandwich elements not suitable for heavy corrosion protection | |
| Material description | | |
| Basis | Acrylate resin | |
| Color shades | Beige, red-brown, light gray, white, black Beige is available at short notice via the quick-delivery service. | |
| Gloss grade | Matt | |
| Closs grade | Matt | |
| Density | Matt 1.10–1.31 g/cm ^{3 1)} (in accordance with DIN EN ISO 2811) | |
| Density Theoretical yield | Matt 1.10–1.31 g/cm ^{3 1)} (in accordance with DIN EN ISO 2811) 249–314 m ² /kg ¹⁾ (at 1 µm dry film thickness) | |
| Density Theoretical yield Solids content | Matt 1.10–1.31 g/cm ^{3 1)} (in accordance with DIN EN ISO 2811) 249–314 m ² /kg ¹⁾ (at 1 μ m dry film thickness) 47–60 wt. % ¹⁾ | |
| Density Theoretical yield Solids content Delivery viscosity at 20°C | Matt 1.10–1.31 g/cm ^{3 1)} (in accordance with DIN EN ISO 2811) 249–314 m ² /kg ¹⁾ (at 1 μ m dry film thickness) 47–60 wt. % ¹⁾ 90–120 sec./DIN 4 mm ¹⁾ | |
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Flash point > 23°C

Labeling

See current safety data sheet.

Coating recommendation

| Substrates ²⁾ | Prime coat | Intermediate coat ⁴⁾ | Top coat |
|----------------------------------|--|---|----------------------|
| Galvanized steel ³⁾ | 1K Adhesive Primer 5408 30–40 µm | 2K-EP Adhesive Primer 5706 ⁵⁾ 40–80 µm | Questio Descie Deint |
| Aluminum | | | 5460, 5461, 5462 |
| Non-ferrous metals ³⁾ | 1K Adhesive Primer 5408 30–40 um | | 40–60 μm |
| Many plastics ³⁾ | | n/a | 1K Paint 5450 |
| Coil coating | 1K Adhesive Primer 5408 15–20 μm | | 40–60 μm |

²⁾ The substrate must generally be free of grease, oils, separating and drawing agents, as well as dirt and corrosion products including impurities.

³⁾ Check adhesion in individual cases by means of preliminary tests.

⁴⁾ For top coats in intense color shades, an intermediate coating in color shade RAL 9010 (approx. 40 μm) is required with 5461–9010 (see the technical data sheets for 5460, 5461, 5462).

⁵⁾ To prevent the formation of zinc soap, a suitable intermediate coating is to be applied as a primer sealer before the top coat with synthetic resin systems for the use of galvanized substrates.(2K-EP Adhesion Primer 5706).

| Stir the material until homogeneous before application. |
|--|
| Can only be combined with the thinners and top coats specified in this technical data sheet. |
| ≥ 10°C |
| Universal Thinner 5117. Stir the material until homogeneous before application |
| < 75% relative humidity |
| |

Application method

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hod Compressed air spraying, Air-Mix spraying, Airless spraying, E-static spraying (with appropriate conductivity).

Drying

Air drying (at +20°C, 65% relative humidity) Dust-dry after approx. 15 minutes, non-sticky and recoatable after approx. 15–20 minutes, fully cured after approx. 1 hour. Allow longer drying times when temperatures are lower and/or humidity is higher!



| Process | Nozzle | Pressure | Application viscosity ⁶⁾ |
|------------------|--------------|---|-------------------------------------|
| Air spraying | 1.2–1.5 mm | 3–5 bar (air) | 20–30 sec. |
| Airless spraying | 0.28–0.38 mm | 100–150 bar (material) | 40–50 sec. |
| Air-mix spray | 0.28–0.38 mm | 100–150 bar (material) 1–1.5 bar (air) | 40–50 sec. |

⁶⁾ Measured in a DIN 4 mm flow cup

| Container sizes | |
|--------------------|--|
| | 30 kg |
| Storage time | |
| | 24 months after receipt of goods. 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 drying out. Dried paint residues and any surface-dried skin are insoluble in the paint and can only be removed by straining. |
| Minimum shelf life | Refer to label. |
| Remark | |
| | This technical data sheet is based on extensive development work and years of practical experience. 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. Upon publication of a new version of this technical data sheet as a result of new technical developments, all of the information provided above becomes invalid. You can obtain the latest version from your Brillux consultant or at www.brillux-industrielack.de, version 12, as required. |
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