

Product Data Sheet
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Sikalastic® Metal Primer

Sikalastic® Metal Primer

Two-component, anti-corrosive primer for exposed metal substrates prior to the application of SikaRoof® MTC, Sikalastic®, Sikafloor® balcony waterproofing systems and Sikagard® products

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| Product Description | Sikalastic® Metal Primer is a two-component, tough, solvent based amide curing primer. |
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| Uses | Versatile primer for use with: SikaRoof® MTC Sikalastic® roofing systems Sikafloor® balcony waterproofing systems Sikagard® hygiene coatings Anti-corrosive primer for exposed metal substrates |
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| Characteristics / Advantages | Rapid curing, overcoat possible after 6 hour Touch dry in 3 hours Low temperature curing down to +5°C Exceptional corrosion protection in industrial and marine environments Surface tolerant primer Can be overcoated with a wide range of top coats |
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Tests

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| Approval/ Standards | British Water Research Council for contact with potable water acc. BS 6920:1990 Fire rating acc. BS 476 parts 6 and 7: class 0 |
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Product Data

Form

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| Appearance / Colour | Resin: Part A: pearl grey liquid Part B: brown liquid |
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| Packaging | Sikalastic® Metal Primer: 5.0 litres (~ 7.17 kg) containers Part A: 2.5l (~3.7 kg); Part B: 2.5l (~3.47 kg) |
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Storage

Storage Conditions / Shelf Life 12 months from date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +35°C. Protect from frost. Expiry date on container.

Technical Data

Chemical Base Epoxy, solvent borne and polyamide curative

Density Sikalastic® Metal Primer:~ 1.43 kg/l (DIN EN ISO 2811-1)

Flash Point Part A: +43°C
Part B: +26°C

System Information

Application Details

Consumption / Dosage

| Coating System | Product | Consumption |
|----------------|---|---|
| System | | |
| Primer | Sikalastic® Metal Primer | Approx. 0.154l/m ² = approx. 0.200kg/m ² |
| Top coat | Various products of the SikaRoof® MTC, Sikalastic®, Sikafloor® or Sikagard® product range | Refer to the individual Product Data Sheet. |

Note:

These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

Substrate Quality

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, laitance, mould, grease, coatings and surface treatments, etc.

If in doubt apply a test area first.

Substrate Preparation

All surfaces to be coated should be thoroughly cleaned by conventional means.

Steel is ideally prepared by shot blasting to Sa 2^{1/2} or SSPC 10 (nearly white metal). Where blasting is not permitted then clean metal preparation by power tools is acceptable

Non-ferrous metals are prepared by removing deposits of dust and oxidation and abrade to white metal. Wire brushing can be used on soft metals, i.e. copper.

Ensure that surfaces are free from visible dampness and that all dust, loose and friable material is completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Application Conditions / Limitations

Substrate Temperature +5°C min. / +40°C max.

Ambient Temperature +5°C min. / +40°C max.

Substrate Moisture Content Visible free from moisture and condensation

Relative Air Humidity 80% r.h. max.

Dew Point Beware of condensation!

The substrate and uncured coating must be at least 3°C above dew point to reduce the risk of condensation or blooming on the wall finish.

Application Instructions

Mixing Part A : Part B = 1: 1 (by volume)

Application Method / Tools

Prior to application, confirm substrate conditions, relative humidity and dew point.

Primer:

Prepare Sikalastic® Metal Primer by stirring part A until uniform, add part B and mix by electric drill until a homogeneous colour is achieved and the product is free of streaks.

Sikalastic® Metal Primer can be applied by short-piled roller, brush or airless spray.

Application by brush or roller may require additional coats.

Brush application is recommended only for small areas.

Standard industrial spray equipment, either airless or conventional spray.

Waiting Time / Overcoating

Apply Sikalastic® Metal Primer within 4 hours of blasting, before re-oxidation.

Before applying any recommended SikaRoof® MTC, Sikalastic®, Sikafloor® or Sikagard® products- on Sikalastic® Metal Primer - allow:

| Substrate temperature | Minimum | Maximum |
|-----------------------|-----------|---------|
| +10°C | ~12 hours | 7 days |
| +20°C | ~6 hours | 7 days |
| +30°C | ~5 hour | 7 days |

Touch dry after:

| Substrate temperature | Minimum |
|-----------------------|----------|
| +10°C | ~6 hours |
| +20°C | ~3 hours |
| +30°C | ~2 hours |

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Notes on Application / Limitations

- The higher the relative air humidity, the more the waiting time / overcoat will increase.
- Do not apply in wet weather or to wet surfaces.
- Always ensure good ventilation when using Sikalastic® Metal Primer in a confined space, to ensure drying and full curing.
- Any surfaces left uncovered for a period of more than 7 days should be re-primed.
- For spray application the use of protective health & safety equipment is mandatory!
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems

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| Value Base | All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. |
| Local Restrictions | Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. |
| Health and Safety Information | For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data. |
| Legal Notes | The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. |
| EU Regulation 2004/42 | According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 500 g/l (Limits 2010) for the ready to use product. |
| VOC - Decopaint Directive | The maximum content of Sikalastic® Metal Primer is < 500 g/l VOC for the ready to use product. |



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