

PRODUCT DATA SHEET

Sikalastic® P 616

(formerly MSeal P 616)

Two component polyurethane primer for metal substrates.

DESCRIPTION

Sikalastic® P 616 is a two-component polyurethane primer coat for ferrous and non-ferrous metal substrates.
Suitable for use in hot and tropical climatic conditions.

USES

Sikalastic® P 616 is used as a primer over aluminum, galvanized steel, mild steel, stainless steel, and other non-ferrous surfaces, with:

- Sikalastic® roofing systems
- Sikalastic® balcony waterproofing systems

FEATURES

- Easy application by brush, roller or airless spray
- Enhances adhesion to a broad range of metallic substrates

PRODUCT INFORMATION

Composition	Two-component polyurethane
Packaging	5.0 L (~6.7 kg) containers Component A: 3.125 L (~4.2 kg) Component B: 1.875 L (~2.5 kg)
Colour	White, Red Oxide and Grey
Shelf life	12 months from date of production
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature. In hot climates the product must be stored in an air-conditioned environment. Reference shall also be made to the storage recommendations within the safety data sheet.
Density	~1.34 kg/l (+25°C)
Flash point	Component A: 31 °C Component B: 28 °C

APPLICATION INFORMATION

Mixing ratio	Component A : Component B = 5 : 3 (by volume)																
Consumption	Apply in one or two coats, with a consumption of approx. 0.15 l/m ² (~0.20 kg/m ²) per coat. Note: These consumption figures are theoretical and do not allow for any additional material due to surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.																
Ambient air temperature	+5 °C min. / +45 °C max.																
Relative air humidity	+80 % max.																
Dew point	Beware of condensation. The substrate and uncured coating must be ≥ 3 °C above dew point.																
Substrate temperature	+5 °C min. / +45 °C max.																
Substrate moisture content	Visibly free from moisture and condensation.																
Waiting time to overcoating	Apply Sikalastic® P 616 within 4 hours of blasting, before re-oxidation. Before applying any recommended Sikalastic® roofing system allow: <table><thead><tr><th>Temperature</th><th>Touch dry</th><th>Overcoating time</th><th>Pot life</th></tr></thead><tbody><tr><td>15 °C</td><td>~3 h</td><td>~16 h</td><td>~3 h</td></tr><tr><td>25 °C</td><td>~2 h</td><td>~14 h</td><td>~2 h</td></tr><tr><td>35 °C</td><td>~1 h</td><td>~12 h</td><td>~1 h</td></tr></tbody></table> Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.	Temperature	Touch dry	Overcoating time	Pot life	15 °C	~3 h	~16 h	~3 h	25 °C	~2 h	~14 h	~2 h	35 °C	~1 h	~12 h	~1 h
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BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/SI_P616_10_22

LIMITATIONS OF USE

- Do not apply in wet weather or to wet surfaces.
- Always ensure good ventilation when using Sikalastic® P 616 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.

ECOLOGY, HEALTH AND SAFETY

Sikalastic® P 616 contains flammable solvents and must not be exposed to a naked flame or sparks. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Solvents are heavier than air, so they creep on the floor.

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The surfaces must be clean, dry, free of stripping agents and free of oil, grease, silanes, salts, silicone, siloxanes and other chemicals which could cause poor adhesion.

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. If in doubt apply a test area first.

For detailed information regarding substrate quality / preparation and primer chart please refer to Method Statement.

MIXING

Prepare Sikalastic® P 616 by stirring component A until uniform, add component B and mix by electric drill until a homogeneous colour is achieved and the product is free of streaks.

APPLICATION

Sikalastic® P 616 can be applied by short-piled roller, brush or airless spray. Allow primer to dry sufficiently (see table waiting time / overcoating) before overcoating.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with suitable thinning solvents (Xylene / MEK / Acetone), immediately after use. Hardened and / or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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