

PRODUCT DATA SHEET

Sika® Primer PW-F

TWO-COMPONENT PRIMER FOR A DURABLE AND CONSISTENT ADHESION ON CONCRETE AND METAL

DESCRIPTION

Sika® Primer PW-F is a two-component, solvent based epoxy primer for concrete and metal surfaces

USES

Bonding agent for Sikalastic®-901, Sikalastic®-870 BT, Sikalastic®-871 JW, and Sikalastic®-1000 GET roofing systems on cementitious and metal substrates.

CHARACTERISTICS / ADVANTAGES

- Easy application by brush or roller
- Helps to stabilise cementitious substrates

PRODUCT INFORMATION

Composition	Epoxy, solvent borne		
Packaging	Part A		12 kg
	Part B		12 kg
Appearance / Colour	Part A		Clear liquid
	Part B		Light yellowish liquid
Shelf life	12 months from date of production		
Storage conditions	Store properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +35 °C. Protect from frost and direct sunlight. Expiry date on container.		
Density	~1.43 kg/L		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 50 : 50 (by weight)		
Consumption	Primer	Sika® Primer PW-F	0.15–0.20 kg/m ²
	Top coat	Various products of the Sikalastic®-901, Sikalastic®-870 BT, Sikalastic®-871 JW, and Sikalastic®-1000 GET roofing systems	Refer to the individual Product Data Sheet.

Ambient Air Temperature	+5 °C min. / +40 °C max.																				
Relative Air Humidity	85 % 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.																				
Substrate Temperature	+5 °C min. / +40 °C max.																				
Substrate Moisture Content	< 6 % pbw moisture content Test method: Sika®-Tramex meter, < 4% CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene sheet). Visible free from moisture and condensation.																				
Waiting Time / Overcoating	Before applying Sikalastic®-901, Sikalastic®-870 BT, Sikalastic®-871 JW, and Sikalastic®-1000 GET on Sika® Primer PW-F allow: <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>~12 hours</td> <td>7 days</td> </tr> <tr> <td>+20 °C</td> <td>~6 hours</td> <td>7 days</td> </tr> <tr> <td>+30 °C</td> <td>~5 hours</td> <td>7 days</td> </tr> </tbody> </table> <p style="margin-top: 10px;">Touch dry after:</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> </tr> </thead> <tbody> <tr> <td>+5 °C</td> <td>~3.5 hours</td> </tr> <tr> <td>+20 °C</td> <td>~1.0 hours</td> </tr> <tr> <td>+40 °C</td> <td>~20 minutes</td> </tr> </tbody> </table> <p style="margin-top: 10px;">Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</p>	Substrate temperature	Minimum	Maximum	+10 °C	~12 hours	7 days	+20 °C	~6 hours	7 days	+30 °C	~5 hours	7 days	Substrate temperature	Minimum	+5 °C	~3.5 hours	+20 °C	~1.0 hours	+40 °C	~20 minutes
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APPLICATION INSTRUCTIONS

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.

Allow a minimum of 28 days before overcoating new concrete. The concrete should have a Pull off strength $\geq 1.5 \text{ N/mm}^2$. Defects or damage to concrete decks must be made good using appropriate polymer modified repair mortar. Any repairs should be allowed a minimum of 72 hours to cure and until such time as the moisture content has fallen to the permissible level.

Steel is ideally prepared by shot blasting to Sa 2½ 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

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

Prepare Sika® Primer PW-F 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.

Sika® Primer PW-F can be applied by short-piled roller or brush. Application by brush or roller may require additional coats. Brush application is recommended only for small areas.

IMPORTANT CONSIDERATIONS

- 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 Sika® Primer PW-F 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
- 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

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.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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.

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Product Data Sheet
Sika® Primer PW-F
March 2019, Version 01.01
020915951000000045

SikaPrimerPW-F-en-ID-(03-2019)-1-1.pdf