

PRODUCT DATA SHEET

Sika® Primer-518 PP

Solvent-based primer for glassfibre reinforced polypropylene

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Solvent-based chlorinated Polyolefin
Colour (CQP001-1)	Colourless, clear
Density	0.8 kg/l
Solid content	5 %
Application temperature	5 – 40 °C
Application method	Brush, felt or foam applicator
Consumption	depending on substrate porosity 50 ml/m ²
Flash-off time	minimum 5 minutes maximum 8 hours
Shelf life (CQP016-1)	12 months ^A

CQP = Corporate Quality Procedure

^{A)} stored in sealed container in up-right position in a dry place below 30 °C

DESCRIPTION

Sika® Primer-518 PP is a solvent-based, 1-component primer for non-treated glassfibre reinforced polypropylene substrates. Glassfibre reinforced polypropylene panels which have been coated with the primer can be bonded with an appropriate Silane Terminated Polymer (STP) Sikaflex®-500 series adhesive.

For in-process control Sika® Primer-518 PP can be made visible under long-wave UV light.

Product Benefits

- Reliable surface treatment for manual application
- Short flash-off time
- Visible under UV light

AREAS OF APPLICATION

Sika® Primer-518 PP is used to improve adhesion of Sikaflex®-500 series adhesives to non-treated polypropylene substrates like glassfibre reinforced polypropylene honeycomb panels.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

METHOD OF APPLICATION

Surfaces must be clean, dry and free from grease, oil, dust and contaminants.

Adhesion on substrates may be improved by adding and/or combining pre-treatment processes such as scuffing, cleaning and activating.

Application

Apply a thin but covering coat with a foam applicator, felt or brush.

Ideal application and surface temperature are between 15 °C and 25 °C. Sika® Primer-518 PP has to be applied once only.

Care must be taken to ensure that this single application gives adequately dense coverage. Consumption and method of application depend on the specific nature of the substrates. Tightly reseal container immediately after each use.

IMPORTANT NOTE

In order to maintain product quality it is important to reseal the container with the inner plastic liner immediately after use. Once the surface pre-treatment operation is completed, the cap has to be screwed on.

Dispose of product one month after opening if used frequently or after two months in case of infrequent use.

If gelling, separation or a significant increase in viscosity is noted, discard the primer immediately.

Never dilute or mix this product with any other substances. If used on transparent or translucent substrates an adequate UV protection is mandatory.

Sika® Primer-518 PP contains solvent, which may dull the surface finish of some freshly applied paints. Preliminary trials should be carried out.

STORAGE CONDITIONS

Sika® Primer-518 PP has to be stored at temperature below 30 °C in a dry place.

For transportation purposes, the storage temperature can be exceeded for a period of max. 4 weeks up to 40 °C.

Sika® Primer-518 PP is gelling at low temperature. If it has gelled it needs to be reconditioned to room temperature and stirred before application.

DETECTION OF THE LUMINESCENCE

Sika® Primer-518 PP can be visualized by using a light source with a wavelength of 320 to 420 nm as inline control. By reducing foreign light such as sunlight or artificial light during the detecting process the quality of the detection can be increased significantly.

Note: The luminescent effect will degrade with time.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

Can	250 ml
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BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

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.

DISCLAIMER

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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