

PRODUCT DATA SHEET

Sika® Aktivator-100

Transparent solvent-based adhesion promoter for various substrates

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Solvent-based adhesion promoter						
Color (CQP001-1)	Colorless, clear to yellowish						
Application temperature	5 – 40 °C						
Application method	Wipe-on, wipe-off with lint-free paper towel						
Consumption	20 ml/m ²						
Flash-off time	<table border="0"> <tr> <td style="padding-right: 10px;">≥ 15 °C</td> <td>10 minutes^A</td> </tr> <tr> <td style="padding-right: 10px;">< 15 °C</td> <td>30 minutes^A</td> </tr> <tr> <td style="padding-right: 10px;">maximum</td> <td>2 hours^A</td> </tr> </table>	≥ 15 °C	10 minutes ^A	< 15 °C	30 minutes ^A	maximum	2 hours ^A
≥ 15 °C	10 minutes ^A						
< 15 °C	30 minutes ^A						
maximum	2 hours ^A						
Shelf life	12 months ^B						

CQP = Corporate Quality Procedure

^{A)} for specific application, temperature and flash-off time may be different

^{B)} stored in sealed container in a dry place at ≤ 25 °C

DESCRIPTION

Sika® Aktivator-100 is a solvent-based colorless adhesion promoter, which reacts with moisture and deposits active groups on the substrate. These groups act as a link between substrates and primers or sealants/adhesives. Sika® Aktivator-100 is specifically formulated for the treatment of bond faces prior to application of Sika's elastic adhesives and sealants.

PRODUCT BENEFITS

- Easy to use
- Enhanced adhesion on a wide variety of non-porous substrates
- Short flash-off time
- Transparent

AREAS OF APPLICATION

Sika® Aktivator-100 is used to improve adhesion on substrates such as float glass, ceramic screen prints, the cut face of old Polyurethane adhesives and paints. After intensive testing, this activator is also suitable to enhance the adhesion of other Sika sealants and adhesives on non-porous substrates.

Seek manufacturer's advice and perform tests on original substrates before using Sika® Aktivator-100 on materials prone to stress cracking.

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 and cleaning prior the activator application.

Application

Wipe bond faces with a clean, lint-free paper towel moistened (not wet) with Sika® Aktivator-100. Immediately wipe-off with a clean, dry, lint-free paper towel. Never dip the towel into the activator. Only wipe the surface with a clean side of the towel. Do not moisten the same paper towel twice and change it frequently.

Sika® Aktivator-100 has to be applied sparingly as excess of activator could lead to adhesion failure.

If the pre-treated area is not bonded within the maximum flash-off time, the activation process has to be repeated (once only).

Ideal application and surface temperature is between 15 °C and 25 °C.

Consumption and method of application depends on the specific nature of the substrates.

Tightly reseal container immediately after each use.

Pad: Hold pad directly against the frit on the glass, then pinch the handle with thumb and index finger to break internal vials thus releasing Sika® Aktivator-100 into the pad (do not bend!).

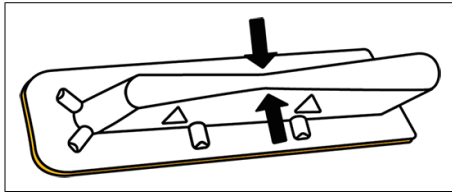


Fig. 1: Sika® Aktivator-100 Pad

IMPORTANT NOTE

Sika® Aktivator-100 contains solvent which may dull the surface finish of some freshly applied paints. Preliminary trials must be carried out.

Never apply to porous substrates since it may not dry completely and prevent the adhesive or sealant from curing.

Protect adjacent surfaces by masking where necessary.

Sika® Aktivator-100 is a moisture reactive system. 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. Prolonged exposure to atmospheric moisture will cause Sika® Aktivator-100 to become inactive. Immediately discard Sika® Aktivator-100 if it has become opaque instead of clear. Dispose of product approx. one month after opening if used frequently or after two months in case of infrequent use. 30 ml cans and pads are for single application only.

Never dilute or mix Sika® Aktivator-100 with any other substances.

It must not be used for tooling/smoothing of products or as cleaning agent.

If used on transparent or translucent substrates such as float glass, plastics, etc., an adequate UV protection is mandatory except for Sikasil® silicone sealants and adhesives.

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.

Working instructions issued for a defined application may further specify technical data contained in this Product Data Sheet.

Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

Can	30 ml 250 ml 1000 ml
Pad	3.3 ml

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

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse 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.

PRODUCT DATA SHEET

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