BUILDING TRUST

PRODUCT DATA SHEET

Sika® Aktivator-110 LUM

Solvent-based, detectable adhesion promoter for non-porous substrates

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base		Solvent-based adhesion promoter
Color (CQP001-1)		Transparent in appearance; clear, yellow, orange or amber in color
Application temperature		5 – 40 °C
Application method		Wipe-on, wipe-off with lint-free paper towel
Consumption		20 ml/m²
Flash-off time	≥ 15 °C	10 minutes [A]
	< 15 °C	30 minutes [A]
	maximum	2 hours [A]
Shelf life (CQP016-1)		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-110 LUM is a solvent-based colorless to amber 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-110 LUM is specifically formulated for the treatment of bond faces for vehicle glass installations prior to application of Sika's 1-component polyurethanes.

Sika® Aktivator-110 LUM fluoresces under longwave UV light for a limited period of time. This feature is used for in-process control.

PRODUCT BENEFITS

- Visible under UV light, suitable for automated in-process control
- Easy to apply
- Suitable for different substrates

AREAS OF APPLICATION

Sika® Aktivator-110 LUM is used to improve adhesion on substrates such as float glass, ceramic screen prints, the cut face of old polyurethane adhesives and paints.

Note: Sika® Aktivator-110 LUM is not to be used as substituent for Sika® Aktivator-100.

Seek manufacturer's advice and perform tests on original substrates before using Sika® Aktivator-110 LUM 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-110 LUM. 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.
Do not touch pre-treated bond face.
Sika® Aktivator-110 LUM 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.

IMPORTANT NOTE

Sika® Aktivator-110 LUM 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-110 LUM 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-110 LUM to become inactive. Immediately discard Sika® Aktivator-110 LUM if it has become opaque instead of clear. Dispose of product one month after opening.
If used on transparent or translucent substrates such as float glass, plastics, etc., an adequate UV protection is mandatory.
Never dilute or mix Sika® Aktivator-110 LUM with any other substances.
It must not be used for tooling/smoothing of products or as cleaning agent.

DETECTION OF THE LUMINESCENCE

Sika® Aktivator-110 LUM can be visualized by using a light source with a wavelength of 320 to 420 nm as in-line 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.
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	1000 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.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by contacting SIKA's Technical Service Department via email at tsmh@us.sika.com. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.
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