

# Sika® Aktivator-205 LUM PLUS

Pre-treatment agent containing luminescent substance for on-line identification

## Typical Product Data

Chemical base	Solvent-based adhesion promoter	
Color	Colorless, clear	
Density (CQP <sup>1</sup> 006-3 / ISO 2811-1)	0.8 kg/l approx..	
Viscosity <sup>2</sup> (CQP 029-3 / ISO 3219)	2 mPas approx.	
Flash point (CQP 007-1 / ISO 13736)	57 °F (14 °C)	
Application temperature	40°F to 105°F (5°C to 40°C)	
Application Method	Wiping with lint-free paper towel	
Coverage	50 ml/m <sup>2</sup>	
Flash-off time <sup>2,3</sup>	minimum	10 min
	maximum	2 hours
Storage	Store in sealed container in a cool dry place below 75 °F (25 °C)	
Shelf life	12 months	

<sup>1</sup>CQP=Corporate Quality Procedure <sup>2</sup>73°F (23°C) / 50% r.h. <sup>3</sup>In specific applications temperature and drying time may be different

\* This product is currently in the field test phase and has not been finally released. Technical data stated herein is based on preliminary testing and experience and is subject to change. Product is only suitable this project by experienced users and only after suitable pre-testing. Subject to mandatory legal provisions, Sika's liability is limited to the replacement of the defective products.

### Description

Sika® Aktivator-205 LUM PLUS is an activating agent to pre-treat bonding and sealing surfaces to improve adhesion. It is an alcoholic solution containing luminescent pigments that allow identifying the presence of the Aktivator after pre-treating of the bond faces.

### Areas of Application

Sika® Aktivator-205 LUM PLUS is primarily intended to activate select chemical-resistant coatings such as those containing fluoropolymers. This product is suitable for experienced professional users only. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

### Method of Application

Method of Application depends on the substrate to be bonded or sealed. Some substrates may require multiple applications. Pretesting must be done to determine the method. For single application, wipe bond faces with a clean lint-free paper towel moistened with Sika® Aktivator-205 LUM PLUS. Change paper towel after each wipe. Ideal application and surface temperature is between 60°F to 75°F (15°C and 25°C). For multiple applications, repeat the above, but allow at least 10 minutes and no more than 2 hours before application of another wipe. Consumption depends on the specific nature of the substrates and manufacturing process. Tightly re-seal container immediately after each use. Prolonged exposure to atmospheric moisture will cause Sika® Aktivator-205 LUM PLUS to become opaque/cloudy and therefore inactive. Discard any product in this condition. Flash-off times may vary depending on climatic conditions.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, label and Safety Data Sheet, which are available on request at [tsmh@us.sika.com](mailto:tsmh@us.sika.com). Nothing contained in any Sika 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 Data Sheet, label and Safety Data Sheet prior to product use.

Industry



### Important Note

Sika® Aktivator-205 LUM PLUS contains isopropanol, which may dull the surface finish of some freshly applied paints. Preliminary trials should be carried out. Never apply to porous substrates. Sika® Aktivator-205 LUM PLUS may not dry completely on porous surfaces, preventing the adhesive or sealant from curing properly. Where necessary adjacent porous surfaces should be masked. Sika® Aktivator-205 LUM PLUS should be used within one month of opening the can. After this time, or if the Sika® Aktivator-205 LUM PLUS has become opaque instead of clear, the product must be discarded.

### Detection of the luminescence

Sika® Aktivator-205 LUM PLUS can be visualized by activating the contained pigment using a light source with a wavelength of 320 to 420 nm. It is recommended to reduce foreign light such as sunlight or artificial light during the detecting process as well as during storage before bonding. Exposure of the pre-treated surface to UV light will degrade the active substances on a faster scale.

### Further Information

To contact Sika Corporation's Industry Technical or Systems Engineering Departments please send an email to [tsmh@us.sika.com](mailto:tsmh@us.sika.com). Copies of the following publications are available upon request:

- Safety Data Sheets
- Product Data Sheet

### Packaging Information

Bottle	1 liter
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### Basis of Product Data

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. The technical property data reported on this provisional PDS document is based on a limited amount of test results and therefore these values are subject to adjustment prior to the final release of this Sika product.

Actual measured data in the field may vary due to site specific conditions which are not known to Sika and 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.

### Limited Product Warranty

Sika Corporation warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES IMPLIED OR EXPRESS SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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