

Sika® Primer-209 D

Polyurethane-Based Black Primer

Technical Product Data

Chemical base	Black pigmented solvent-based polyurethane solution
Color	Black
Density (CQP ¹ 006-3 / ISO 2811-1)	8.35 lb/gal (1 kg/l) approx.
Viscosity ² (CQP 029-3 / ISO 3219)	15 cps approx.
Flash point (CQP 007-1 / ISO 13736)	-4 °C (25 °F)
Solid content	30% wt. approx.
Application temperature	15° - 35 °C (59° - 95 °F)
Application Method	Felt or foam applicator
Coverage	150 ml/m ² approx.
Drying Time ³	minimum maximum
	10 min. 24 hours
Storage	Store in sealed container in a cool dry place
VOC	704 g/l
Shelf life	9 months

¹⁾ CQP = Corporate Quality Procedure ²⁾ 23 °C / 50% r.h. ³⁾ Drying time dependant on temperature and application specifics

Description

Sika® Primer-209 D is a black, moisture-curing low viscosity primer specifically formulated for the treatment of painted surfaces or plastics prior to the application of Sikaflex® direct-glazing adhesive.

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

Areas of Application

Sika® Primer-209 D is suitable for application to the following substrates:

- Paints
 - Acrylics
 - Alkyds/Melamine
 - Powder coatings
 - Baking varnishes
- Plastics
 - Acrylic (PMMA)
 - Polycarbonate
 - Polystyrene
 - PES-FRP
 - EP-FRP
 - ABS
 - PVC

Due to the individual chemical composition of the formulations and specific furnace conditions, we recommend doing adhesion tests for each paint and plastic. Always seek the paint or plastic manufacturer's advice before using the primer on plastics that are prone to stress cracking, such as acrylics, polycarbonates or ABS.

Industry



Method of Application

Surface Preparation

Surfaces must be clean, dry and free from all traces of grease, oil and dust and of sound quality. Thoroughly remove all loose particles and residues. When used with Sika® Aktivator, follow application instructions for both products.

Application

Shake the can of Sika® Primer-209 D thoroughly until mixing balls are heard to rattle freely. The primer may be applied with a felt or foam applicator, or other suitable application tools. Apply evenly a single thin coat of Sika® Primer-209 D. Surface treatment and method of application depends on the specific nature of the substrates and the manufacturing process. Therefore all recommendations must be determined by preliminary application-specific tests and discussed with the Technical Services Department of Sika Industry at 888-832-7452.

Cure Mechanism

Moisture Cure

Limitations

Because paints and plastics vary in their chemical composition, preliminary trials are necessary.

- Do not apply on frozen surfaces or through standing water.
- Do not apply over silicones or in the presence of curing silicones.
- Not recommended as a primary UV barrier for marine or other non-automotive applications.
- In general direct glazing applications, Sika® Primer-209 D is not intended to be used as the sole form of UV protection
- Discard any product that has gelled or separated.
- Contact with alcohol will inhibit cure.

DANGER:EXTREMELY FLAMMABLE, IRRITANT Contains Methyl Ethyl Ketone (CAS 78-93-3),

4,4' Diphenylmethane Diisocyanate (CAS 101-68-8), and Ethyl Acetate (CAS 141-78-6). **Keep away from heat, sparks, sunlight, electrical equipment, flame or other sources of ignition. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE.** Use only in well ventilated areas. Open doors and windows during use. Causes eye irritation. May cause skin/respiratory irritation. Prolonged and/or repeated exposure may cause skin/respiratory sensitization. Harmful if swallowed. May cause effects such as drowsiness, dizziness, decrease in motor functions, narcosis or other central nervous system effects. **Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.**

HMIS

Health	*2
Flammability	3
Reactivity	1
Personal Protection	H

First Aid Measures

Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin** – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation** – Remove to fresh air. **Ingestion** – Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Further Information

Copies of the following publications are available on our website www.sikaindustry.com:

- Material Safety Data Sheets
- Product Data Sheet
- Sika Primer Chart
- General guidelines for bonding and sealing with Sika products

In case of emergency call:
Chemtrec: 800-424-9300
International: 703-527-3887

For further information and advice regarding transportation, handling,

storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety related data. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

-KEEP OUT OF REACH OF CHILDREN
-NOT FOR INTERNAL CONSUMPTION
-FOR INDUSTRIAL USE ONLY
-KEEP CONTAINER TIGHTLY CLOSED

Packaging Information

Can	250 ml
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Value Basis

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. Actual measured data in the field may vary due to site specific conditions which are not known to Sika and beyond our control.

Handling and Storage

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemically resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry well ventilated area away from ignition sources.

Clean Up

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. In case of spill, eliminate all ignition sources. Ventilate area. Open doors and windows. Wear chemical resistant gloves/goggles/clothing. In absence of proper ventilation use

Further information available at:
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properly fitted NIOSH respirator. Confine spill, collect using absorbent material and place in properly sealed container. Dispose of excess product in accordance with applicable local, state and federal regulations.

Limited Material Warranty

SIKA 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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All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision

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Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at www.sikacorp.com or by calling 201-933-8800.

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, product label and Material Safety Data Sheet which are available at www.sikaindustry.com. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.

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