

PRODUCT DATA SHEET

Sikagard® P 8100 AP

(formerly MProtect P 8100AP)

ONE-COMPONENT ZINC-RICH EPOXY PRIMER FOR STEEL REINFORCEMENT

PRODUCT DESCRIPTION

Sikagard® P 8100 AP is a one-component epoxy primer. It is designed to prime and protect reinforcing steel from corrosion.

USES

- Interior and exterior
- Corrosion mitigation

Substrates

- Reinforcing steel

CHARACTERISTICS / ADVANTAGES

- Dries to touch in 15–45 minutes
- High zinc content protects reinforcing steel from corrosion
- Epoxy chemistry is compatible with all repair mortars
- Long working time
- One-component product requires only stirring prior to use

PRODUCT INFORMATION

Chemical Base	Sikagard® P 8100 AP is a one-component epoxy primer.
Packaging	1 quart (0.9 L) cans
Shelf Life	15 months when properly stored
Storage Conditions	Store and transport in unopened containers in cool, clean, dry conditions. Keep from freezing.
Solubility	Specific gravity: 2.1–2.2

APPLICATION INFORMATION

Coverage	150–250 lineal ft (46–76 lineal m) per can (# 4 rebar)		
Layer Thickness	Recommended thickness: 2 mils, DFT per coat		
Drying Time		68° F (20° C)	95° F (35° C)
	Touch dry, min	45	15
	Fully dry / recoatable, min	30–60	20–45

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

For Best Performance

- Do not use an epoxy bonding agent on steel that has been prepared with Sikagard® P 8100 AP.
- Do not apply Sikagard® P 8100 AP when the ambient or substrate temperature is below 40° F (4° C) or above 95° F (35° C)
- Do not apply Sikagard® P 8100 AP if the ambient or substrate temperature is within 5° F (3° C) of the dewpoint.
- For professional use only; not for sale to or use by the general public.
- Make sure the most current versions of product data sheet and SDS are being used; visit usa.sika.com to verify the most current version. Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the job site.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

1. Fully expose any corroded steel in the repair area. Remove all loose scale and corrosion deposits, paying particular attention to the back of exposed steel bars.
2. Mechanically abrade all exposed steel to remove corrosion from pits and imperfections within its surface.

APPLICATION

1. Thoroughly stir Sikagard® P 8100 AP prior to use.
2. Apply Sikagard® P 8100 AP to a dry surface as soon as possible after completion of the preparation work, but always within 3 hours. Apply one continuous coat with suitable brush, making sure the back of the exposed steel reinforcing bars are completely coated.
3. Two coats of 4 mils WFT are required to ensure complete coverage of the surface. Allow the first coat to fully dry before applying the second.

4. Concrete-repair materials can be applied as soon as the Sikagard® P 8100 AP is fully dry. Do not leave the primed surfaces exposed to the elements for longer than 7 days before recoating or applying repair materials.

CLEANING OF TOOLS

Clean hands and skin immediately with soap and water or industrial hand cleaner. Remove Sikagard® P 8100 AP from tools, equipment, and mixers with xylene immediately after use

LEGAL DISCLAIMER

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

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 calling SIKA's Technical Service Department at 1-800-933-7452. 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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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



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