



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.

WHERE TO USE

- 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

Composition / Manufacturing	Sikagard® P 8100 AP is a one-component epoxy primer.
Packaging	0.9 L (0.24 US gal) 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

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

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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 4 °C (40 °F) or above 35 °C (95 °F).
- Do not apply Sikagard® P 8100 AP if the ambient or substrate temperature is within 3 °C (5 °F) 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.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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.

CLEAN UP

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 NOTES

The information, and in particular, the recommendations relating to the application and end-use 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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