

MasterProtect[®] P 8100AP

One-component zinc-rich epoxy primer for steel reinforcement

FORMERLY ZINCRICH REBAR PRIMER

PACKAGING

1 quart (0.9 L) cans

YIELD

150–250 lineal ft (46–76 lineal m) per
can (# 4 rebar)

STORAGE

Store and transport in unopened
containers in cool, clean, dry
conditions. Keep from freezing.

SHELF LIFE

15 months when properly stored

VOC CONTENT

581 g/L less water and exempt solvents

DESCRIPTION

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

PRODUCT HIGHLIGHTS

- 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

APPLICATIONS

- Interior and exterior
- Corrosion mitigation

SUBSTRATES

- Reinforcing steel

HOW TO APPLY

SURFACE 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 MasterProtect P 8100AP prior to use.
2. Apply MasterProtect P 8100AP 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 MasterProtect P 8100AP is fully dry. Do not leave the primed surfaces exposed to the elements for longer than 7 days before recoating or applying repair materials.

Technical Data

Composition

MasterProtect P 8100AP is a one-component epoxy primer.

Typical Properties

PROPERTY	VALUE
Specific gravity	2.1–2.2
Recommended thickness per coat, mils, DFT	2
Drying times	68° F (20° C) 95° F (35° C)
Touch dry, min	45 15
Fully dry / recoatable, min	30–60 20–45

All application and performance values are typical for the material, but may vary test methods, conditions, and configurations.

CLEAN UP

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

FOR BEST PERFORMANCE

- Do not use an epoxy bonding agent on steel that has been prepared with MasterProtect P 8100AP.
- Do not apply MasterProtect P 8100AP when the ambient or substrate temperature is below 40° F (4° C) or above 95° F (35° C)
- Do not apply MasterProtect P 8100AP 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 certain the most current versions of product data sheet and SDS are being used; visit www.master-builders-solutions.com/en-us to verify the most current version.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

LIMITED WARRANTY NOTICE

Master Builders Solutions Construction Systems US, LLC (“Master Builders”) warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products

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