

SELECTION & SPECIFICATION DATA

Generic Type	Phosphatizing Solution
Description	Carboline Metal Prep P is a full-strength phosphatizing solution formulated to act as a treatment to prepare substrates prior to coating.
Color	Clear solution
Primer	None required.
Profile Depth	Average 2.0-3.0 mils (visual comparator), maximum 3 mils (Testex replica tape)
Profile Texture	Sharp, angular, dense (viewed under magnification)
Solids Content	By Volume 5% +/- 1%
VOC Values	As Supplied : 1.04 lbs./gal (125 g/l) 5.03 lbs/gal (603 g/l) minus water

SUBSTRATES & SURFACE PREPARATION

General	Interior surfaces shall be cleaned by abrasive blast cleaning. Tankcars interior surfaces previously contaminated and corroded may be required by the lining owner to receive a preblast cleaning to a level of cleanliness defined by NACE No. 3 / SSPC-SP 6 Commercial Blast Cleaning. (Note: abrasive blast cleaning could result in flame ups on impact of dry pyrophoric sulfur located on protruding attachments on the top surface). Abrasive cleaned steel shall be wetted with fresh water, and then sprayed with Carboline Metal Prep P phosphatizing solution by low pressure spray over the water wetted surfaces by spraying from bottom to the top surfaces, and finishing with nozzles and flange faces. Use Carboline Metal Prep P phosphatizing solution as is; do not dilute. One hour after applying the Carboline Metal Prep P, flush the surfaces with fresh water. Allow these surfaces to flash rust for 48 hours, before proceeding to a second abrasive blast cleaning, as described below.
Special Instruction	<ul style="list-style-type: none"> • Dry, dust-free metal surface • Surfaces free of grease, oil, dirt, loose and mill scale • Metal temperature above 60°F • Metal temperature at least 5 deg. above the dew point • Ambient temperature above 50°F • Humidity less than 90% • Material temperature between 70 and 90°F

MIXING & THINNING

Thinning	None required, apply as is.
Ratio	Use as is; do not dilute

Carboline Metal Prep P

PRODUCT DATA SHEET



APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General) | Low pressure spray

CLEANUP & SAFETY

Cleanup | Fresh water

Safety | Consult SDS for proper handling, cleanup, disposal, and use of personal protective equipment. Circulate sufficient air to maintain working environment below the PEL and LEL. Apply according to local, state, and federal (OSHA) regulations.

PACKAGING, HANDLING & STORAGE

Shelf Life | 1 year

Shipping Weight (Approximate) | Approximately 13 lbs/gal (6 kg)
Net Weight per Gallon: 8.27 lbs (4 kg)

Flash Point (Setaflash) | >250°F (121°C)

WARRANTY

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