# PSC 9450

## Corrosion resistant protective coating for metal

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Protects & Extends the Lifespan of Metal Structures

Permanently Bonds to Substrate With Superior Adhesion Over Time

Water & Chemical Resistant

Corrosion Resistant

Core-Shell Technology Provides Extended Durability & Hardness


PSC 9450 is a water-based blended polymer designed to be applied directly to metal to prevent corrosion of a structure. Utilizing core-shell technology, PSC 9450 is a combination of the PolyMac line of proprietary polymers developed by AIS.

PSC 9450 is a blue-tinted substance intended to be used on any metal structure to prevent corrosion. Apply to rebar, reinforcing metal mesh, concrete forms, support structures, or any other metal surface to protect the surface and extend the life of the structure.

## AVAILABILITY

5 Gallon Pails
55 Gallon Drums

** Other sizes available on request*

## APPLICATIONS

Metal Rebar
Metal *(Concrete)* Supports
Metal Reinforcements

## BENEFITS

- Extends the lifespan & protects metal structures
- Blended corrosion inhibitor with excellent adhesion to protect in multiple ways
- **Environmentally Friendly**
  - Water-based polymeric blend with minimal harsh chemicals
  - Low VOC, APEO free, & inert when fully cured
  - No contamination of drainage systems or surrounding areas
- **Applicator Friendly**
  - Easily applied via roller, brush, or sprayer, building on itself with multiple coats
  - Minimal PPE required
  - Blue-tinted to easily see where it has been applied




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# PSC 9450
## Technical information

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## PERFORMANCE

PSC 9450 is a blended polymeric coating developed using our proprietary PolyMac line of polymers that utilize core-shell technology for additional durability. Designed as a direct-to-metal coating that includes corrosion inhibitors and water resistance, PSC 9450 coats and protects by linking to itself and the substrate to form a physical and chemical barrier between the metal substrate and the elements that could damage it.

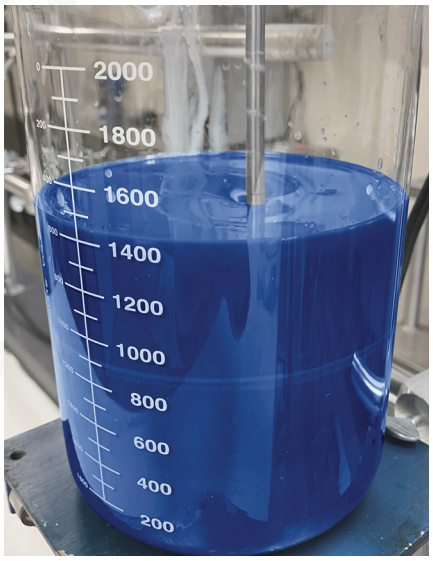
## TYPICAL PROPERTIES

| | |
|---|---|
| Appearance | Opaque, Blue |
| pH | 9.5-11.0 |
| Odor | Slight |
| Freezing Point | ~ 32 °F |
| Flammability | Non-flammable |
| Relative Density | ~ 1.050 g/cm³ |
| Specific Gravity | 1.050 |
| Percentage Solids | 51-55 % |
| Viscosity | 1000-1200 cP |

***CAUTION:*** *Prior to use, please read the Manufacturer Warranty & Disclaimer found at* ***marmac.com/ais/disclaimer****.*

## SPECIFICATIONS

Treated and untreated metal specimens were tested for three weeks in an intense chemical testing environment at a continuous temperature of 125°F with 6% Sulfuric acid, 6% Nitric Acid, 6% Hydrochloric acid, 6% Ammonium hydroxide, and 6% Caustic Potash *(Potassium hydroxide)*. The requisite test solutions represented a 20% higher concentration than comparable test concentrations and were recharged weekly. There was little to no evidence of breach of the coating on the metal and no corrosion evident. In the majority of the untreated metal samples tested the exposed metal was severely compromised showing very severe evidence of corrosive effects. Do not apply to frozen metal.




## DIRECTIONS

Mix PSC 9450 gently making sure the tint and consistency are uniform. Do not dilute. Apply the coating when ambient temperatures are between 41-125°F.

Apply PSC 9450 with a brush, nap roller, and/or a low-pressure sprayer using an adequate nozzle size *(clean sprayer immediately after use with soap and water)*. One gallon covers approximately 270 sq ft per coat.



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