

PROTECTALL P200

ADVANCED CORROSION RESISTANT CLEAR TOPCOAT

INTRODUCTION

Protectall P200 has been developed to enhance the corrosion resistant properties of trivalent chromium passivates on zinc and zinc alloys for the automotive and other industries.

The organic-based Protectall P200 is designed to protect passivated zinc and zinc alloys against corrosion in a variety of environments, including the hostile conditions found in engine compartments and on the exterior of motor vehicles.

BENEFITS

- High corrosion protection and thermal stability (over 250°F for several hours)
- Corrosion resistance >480 hours to white rust and 720 hours to red rust achieved depending on passivate and plated alloy.
- High adherence on zinc / zinc alloys
- High ductility
- Improves self-healing properties of trivalent chromium passivates
- Can be applied on clear and black passivates
- Less costly than wax-based topcoats

SOLUTION MAKE-UP

Protectall P200 30 – 100% v/v with water

OPERATING DATA

Concentration	30 – 100%
Temperature	68 – 86°F
pH	8.5 – 9.5
Time	20 – 60 secs
Agitation	Solution movement

Manufactured for North America exclusively by **FOCUSTECH™**



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EQUIPMENT

Tanks	Polypropylene or PVC lined tanks.
Heaters	PTFE heaters with thermostatic control.
Filtration	Continuous filtration through 80 - 150µm filter cartridges.

INSTALLATION

It is essential that the tanks to be used for Protectall P200 are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure contact Automated Chemical Solutions Technical Department.

1. Add the required volume of Protectall P200 to the tank.
2. Add water to volume with stirring.

PROCESS SEQUENCE

1. Passivate
2. Rinse
3. Rinse
4. Air blow to remove excess water
5. Protectall P200
6. Drain with air blow
7. Warm air dry

MAINTENANCE AND CONTROL

The solution should be analyzed regularly and replenished as necessary. (See Analysis Method)

Concentration losses are corrected by the addition of Protectall P200. This will also maintain the pH.

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ANALYSIS METHOD

Method

1. Weigh an aluminium dish and record weight as A g.
2. Pipette 10.0mls of the bath into the dish.
3. Place the dish into an oven at 120°C and dry to constant weight.
4. Allow to cool in a desiccator and weigh. Record weight as B g.

Calculation

% Protectall P200 = (B-A) x 75.9

Replenishment

For every 1% required add 10ml/L Protectall P200

STORAGE

Store in original containers above 40°F

SAFETY

CAUTION! Avoid contact with eyes, skin and clothing. Wear chemical handler's gloves, goggles and protective clothing when handling. Read and understand Material Safety Data Sheet before using this product.

PRODUCT GROUPS

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Protectall P200	241027

NOTICE

The information and recommendations of PMD (UK), Ltd. and Automated Chemical Solutions, Inc., and its representatives, regarding this product are, to the best of our knowledge, true and accurate. We make no guarantee of results because the conditions of actual use are beyond our control. We assume no liability for damages or penalties resulting from the use of this product or following our recommendations. Our recommendations and suggestions for use of this product are not intended to grant license to operate under or infringe any patent.

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