

PROTECTALL P200M

CLEAR TOPCOAT WITH TORQUE MODIFIER

INTRODUCTION

Protectall P200M has been developed to enhance the corrosion-resistant properties of trivalent chromium passivates on zinc and zinc alloys for the automotive and other industries. It contains organic polymers and polysilicates and a modifier providing a low coefficient of friction (CoF).

Protectall P200M 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. It can achieve a CoF of 0.17 +/- 0.03

BENEFITS

- High corrosion protection (>200 hrs to white rust / 750 hrs to red rust).
- Thermally stable versus temperature (>250°F)
- Low coefficient of friction
- Excellent adhesion properties
- High ductility
- Self-healing properties of passivates
- Low alkalinity & operating temperature
- Can apply to clear and black passivates

SOLUTION MAKE-UP

Protectall P200M 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 P200M 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 P200M 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 P200M
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 P200M. This will also maintain the pH.

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ANALYSIS METHOD

Method

1. Weigh an aluminium dish and record weight as 'A' grams.
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' grams.

Calculation

% Protectall P200M = (B-A) x 75.9

Replenishment

For every 1% required add 10 ml/L Protectall P200M

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	241027M

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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