

PROTECTALL P200B

BLACK MINERAL ORGANIC TOPCOAT

INTRODUCTION

Protectall 200B is a black mineral organic topcoat/sealer to improve the finish and corrosion resistance of trivalent black passivates on zinc and zinc alloys

BENEFITS

- More than 200 hours before white rust
- Enhanced black appearance
- Promotes passivate self-healing
- Coefficient of friction of 0.15

SOLUTION MAKE-UP

Protectall 200B 50 – 100%

OPERATING DATA

Concentration	50 – 100%
Temperature	65 – 75°F
pH	9.0 – 9.5
Time	30 – 60 seconds
Drying	Warm (140 – 175°F) air drying: 10 – 15 minutes. During bulk processing, centrifuge at 250 rpm (24 inch basket) in warm air. The work piece temperature should be about 175°F

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



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EQUIPMENT

Tanks	Polypropylene, PVC
Filtration	It is essential to filter with 50 – 150 micron cartridge
Agitation	Maintain constant agitation to ensure system stability

INSTALLATION

It is essential that the tanks to be used for Protectall P200B 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 Protectall 200B to the tank.
2. Add the required volume of water.
3. Mix thoroughly.

PROCESS SEQUENCE

1. Zinc plate
2. Rinse
3. Dilute acid dip
4. Rinse
5. Passivate
6. Rinse
7. Cold spin dry
8. Protectall 200B (single or double coat)
9. Cold spin dry (do not air blow)
10. Warm spin dry

MAINTENANCE AND CONTROL

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

Concentration losses are corrected by the addition of Protectall P200B. 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. Add approximately 10g of the bath into the dish and reweigh. Record weight as B g
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 C g.

Calculation

$$\% \text{ Protectall 200B} = \frac{(B-A)}{(C-A)} \times 667$$

Replenishment

For every 1% required add 10ml/L Protectall 200B

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 200B	241028

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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