PROTECTALL P200M

ORGANO-MINERAL TOPCOAT

INTRODUCTION

Protectall P200M has been developed to enhance the anti-corrosion properties of trivalent chromium passivates on zinc and zinc alloys for the automotive and other industries. It contains organic polymers and polysilicates.

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.

Protectall P200M has a separate Part 2 modifier that can be added to improve lubricity and modify coefficient of friction.

BENEFITS

- High corrosion protection and stability versus temperature (over 120°C during several hours).
- Corrosion resistance of greater than 480 hours to white and 720 hours to red rust can be achieved depending on passivate and plated alloy.
- High adherence on zinc electroplated parts
- High ductility
- Improves self-healing properties of trivalent chromium passivates.
- Can be applied on clear and black passivates.

SOLUTION MAKE -UP

Protectall P200M part 1	35%
Protectall P200M part 2	10%

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 PMD Technical Department.

1. Add the required volume of Protectall P200M parts 1 and 2 to the tank.
2. Add water to volume with stirring.

OPERATING DATA

Concentration Part 1	20 to 50%
Concentration Part 2	5 to 15%
Temperature	20 - 30°C
pH	8.5 – 9.5
Time	20 – 60 secs
Agitation	Solution movement

EQUIPMENT

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

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 analysed regularly and replenished as necessary. (See analysis method).

Concentration loses are corrected by the addition of Protectall P200M.Part 1 and Part 2 This will also maintain the pH.

ANALYSIS METHOD

Equipment

Hand held Refractometer 0 to 20% on Brix scale

Method

1. Prepare a standard solution of Protectall P200M
2. Pipette a few drops of the standard solution on to the prism face.
3. Make sure there are no air bubbles before closing the prism cover.
4. Record the reading observed as A.
5. Clean the prism face and door with deionised and wipe clean with a tissue.
6. Pipette a few drops of sample solution, make sure there are no air bubbles before closing the prism cover, and record this reading as B

Calculation

% Protectall P200M Part 1 = (B/A) x 35

Replenishment

For every 1% required add 10ml/L Protectall P200M Part 1 and 2.9 mls of Part 2

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Protectall P200M Part 1	241029
Protectall P200M Part 2	241030

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