

ZINCOVATE BLACK AZ

TRIVALENT BLACK PASSIVATE

INTRODUCTION

Zincovate Black AZ is a trivalent passivate, it produces a uniform black colour, on acid zinc deposits. It is followed by a top coat to give good corrosion resistance.

BENEFITS

- Over 100 hours to white rust with top coat.
- Uniform black finish

SOLUTION MAKE -UP

Zincovate BLACK AZ Part A	40ml/L
Zincovate BLACK AZ Part B	100ml/L

OPERATING DATA

Zincovate Black AZ Part A	30 - 60ml/L
Zincovate Black AZ Part B	80 – 120ml/L
pH	1.8 – 2.2
Zinc	<10g/L
Iron	<500ppm
Temperature	30 – 50°C
Time	30 – 60 sec
Agitation	Air
Extraction	Recommended

EQUIPMENT

Tanks	Polypropylene or PVC lined tanks.
Heaters	PTFE heaters with thermostatic control.

INSTALLATION

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

If in any doubt as to the cleaning procedure contact PMD Technical Department.

- 1. Fill the tank to 2/3 volume with deionised water.
- 2. Add the Zincovate Black AZ Parts A and B.
- 3. Make up to final volume with deionised water turn on air to mix.
- 4. Check and adjust pH.
- 5. Heat to operating temperature.

PROCESS SEQUENCE

- 1. Zinc plate.
- 1. Rinse.
- 2. Acid dip.
- 3. Rinse.
- 4. Zincovate Black AZ.
- 5. Rinse.
- 6. Top Coat (Optional).
- 7. Dry.

MAINTENANCE AND CONTROL

Zincovate Black can be maintained by regular additions of Parts RA and RB based on throughput depending on drag out.

Zincovate Black Part RA	6 – 30ml/m²
Zincovate Black Part RB	10 – 35ml/m²

pH is corrected with either nitric acid or sodium hydroxide solution.

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
Zincovate Black AZ Part A	237053
Zincovate Black AZ Part B	237054
Zincovate Black AZ Part RA	237055
Zincovate Black AZ Part RB	237056

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