

EBONITE C

CHEMICAL BLACK FOR COPPER

INTRODUCTION

EBONITE C produces a jet black oxide coating on copper and copper alloys. The finish can tolerate high temperatures up to 200°C and is ideal as a base for painting.

BENEFITS

- Jet black finish
- Temperature stable
- Ideal base for painting

SOLUTION MAKE-UP

Ebonite C 30-40%

It is essential that the tanks to be used for Ebonite C are thoroughly cleaned and leached before any chemistry is introduced. If in any doubt as to the cleaning procedure please contact PMD CHEMICALS Technical Department.

1. Half fill tank with water.
2. Add Ebonite C
3. Top up to final volume with water.
4. Mix thoroughly.
5. Heat to operating temperature.

OPERATING DATA

Concentration	30 – 40%
Temperature	100 -110°C
Time Typical values	3-10 mins
Agitation	Gentle work or solution movement
Extraction	Required



PROCESS DATA SHEET



EQUIPMENT

Tanks	Stainless steel, titanium or hastelloy
Heaters	PTFE, Stainless steel, titanium

PROCESS SEQUENCE

1. Alkaline clean
2. Rinse
3. 5% sulphuric acid
4. Rinse
5. 5% sodium hydroxide
6. Ebonite C
7. Rinse
8. Hot water rinse
9. Dry
10. Post treat in lacquer, enamel or oil as required.

MAINTENANCE AND CONTROL

Replace evaporation losses with water.

Ebonite C is consumed by drag out. As a guide add 30 - 50ml/m² surface area processed.

The solution should be replaced when blacking is no longer effective.

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
Ebonite C	255004

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