

EBONITE

CHEMICAL BLACK FOR STEEL

INTRODUCTION

EBONITE is a cold blacking process for steel. The process is a cost effective alternative to the traditional hot blacking process. It produces a black finish which, when oiled, gives a pleasing lustre. Ebonite Pre Dip helps to condition the component surface to ensure complete coverage and reduces contamination from pre-treatment drag in.

BENEFITS

- Ambient temperature
- Even black finish

SOLUTION MAKE -UP

It is essential that the tanks to be used for Ebonite are thoroughly cleaned and leached before any chemistry is introduced.

Ebonite Pre-Dip

Ebonite Pre-Dip 100ml/L

1. 1/2 fill the tank with water
2. Add the Ebonite Pre-Dip and mix well
3. Fill to operating level with water

Ebonite

Ebonite 30% v/v

1. 1/2 fill the tank with water
2. Add the Ebonite and mix well
3. Fill to operating level with water

OPERATING DATA

	Pre-Dip	Ebonite
Concentration	80 – 120ml/L	25 - 35%
Temperature	20 - 30°C	20 - 30°C
Time	60 – 90 sec	15 – 120 sec
Agitation	Not required	Work movement
Extraction	Recommended	

EQUIPMENT

Tanks	PVC, polypropylene
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PROCESS SEQUENCE

1. Alkaline soak clean
2. Rinse
3. Hydrochloric acid 50%
4. Rinse
5. Rinse
6. Ebonite Pre-Dip
7. Ebonite
8. Rinse
9. Dry
10. Dewatering oil
11. Dry

MAINTENANCE AND CONTROL

The solution is not normally replenished. Discard and replace when blacking becomes unacceptable

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	251007
Ebonite Pre-Dip	251008

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