FERROBOND 88

(ELECTROLYTIC ALKALINE CLEANER)
FERROBOND 88 is an all purpose heavy duty electrolytic alkaline cleaner for steel. It effectively removes oil, grease, weak scale layers, smut, finger prints and light rust from the surface, leaving the surface bright and clean. FERROBOND 88 has a long service life as it removes the oil rather than emulsifying and so the floating oil can be easily skimmed off.

OPERATING CONDITIONS:
FERROBOND 88 : 60 - 80 g/ltr.
Temperature : 70 - 80°C
Current density : 50 - 100 A/sq.ft.
Voltage : 5 - 9 Volts.
Time : 1 - 5 Min.

BATH MAKE UP:
Fill the cleaning tank with warm water to 2/3rd of its final volume.
Add the required amount of FERROBOND 88 and stir to dissolve completely.
Fill the tank to working level and heat it to the operating temperature.

OPERATION:
The components are pre cleaned in an appropriate emulsifiable solvent, emulsion spray or hot alkaline cleaner prior to electrolytic cleaning. The components are then electrolytically cleaned at 50 - 100A/sq.ft. anodically for 1- 5 min.
After cleaning in FERROBOND 88 the parts must be rinsed well in running water followed by dilute acid dip to remove any alkalinity left on the surface prior to transferring into the plating bath.

CONTROL:
The bath concentration can be maintained by analysing alkalinity of the solution by simple acid base titration using phenolphthalein as an indicator.
Any grease accumulated on the surface of the bath should be removed to avoid re soiling of components during lifting out of the solution. The loss of water by all operation has to be made good from time to time.

EQUIPMENT:
Plain stainless tank is recommended. Heater made of steel or quartz can be used for heating purposes. Exhaust hood should be provided to remove the fumes produced during operation.

ANODES:
Where there is a steel tank the tank itself can be made the anode otherwise stainless steel plates can be used.

CAUTION:
FERROBOND 88 is alkaline in nature and contact of the salt or bath solution with skin or eyes should be avoided.

WASTE TREATMENT
Spent FERROBOND 88 solution are alkaline and may contain particles of metal proceed through the operating solution. Spent solutions must be neutralised prior to discharge in to a sewer system. The most economical method of neutralisation is to mix the spent solution with effluent from acid solution prior to entering the neutralisation sump or tank to take advantage of the mutual adjustments of final effluent. Allow the precipitate that forms to settle or filter the solution prior to discharge into the sewer.

NOTE:
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