

ABSTRACT

Electroplated coatings in machine building. Development technology of deposition of cadmium protective coating on small metal parts.

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Is developed the technology of depositio of cadmium-protective coating on small steel parts, to protect them against corrosion under marine climate. Process is carried out in electrolytic barrel bath in sulfate electrolyte at a temperature of 15-25 ° C, cathodic current density is 0.5-1 A/dm². Passivation is performed by chromatation of details.

The project conducted technological and structural calculations, the scheme of the automatic regulation of cadmium. Completed feasibility calculations, analyze harmful and dangerous production factors and proposed safety measures proposed scheme of wastewater treatment.

Keywords: electrolytic barrel bath, cadmium, electrolysis, sulphate electrolyte, screw, coating.