

## Abstract

Galvanic coatings in machine building industry. The development of technological process for protective–decorative zinc coating on steel parts.

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In the project, developed technology of applying decorative and protective coating from zinc chlorine-ammonium electrolyte on steel parts. Based on the comparison of the characteristics of electrolytes for zinc proposed optimal electrolyte composition containing Likonda «SnSR-A» and Likonda «SnSR-B». It was chosen the mode of electrolysis - temperature of 20 °C, a cathodic current density 2A/dm<sup>2</sup>

Protection methods, methods of automation of production are foreseen, economical indexes of enterprise are calculated, method of cleaning of sewage offered.

Keywords: galvanic plating, zinc, corrosion, cathode, anode, chlorine-ammonium electrolyte, galvanic line, sewage.

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