

Abstract


Galvanic coatings in machine-building industry. Development of technological process for cadmium protective coating on steel details.

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Technology of protective cadmium coating on small steel details for protection in marine climate. Cadmium coating conducts in drum electrolyzer from ammonium electrolyte at 30 °C, current density of 1,2 A/dm² and voltage 4,19 B. Constructive and technological calculations provided, scheme of automatic regulation for coating process proposed. Technical and economic calculations conducted, scheme for waste water purification by modified reagent method, harmful and dangerous influences were analyzed and measures for labor safety and prevention of accidents proposed.

Key words: cadmium coating, drum electrolyzer, stationary bath, bracket, brightening, ammonium electrolyte, throwing power.

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