

## **Composite nickel layers with a carbon phase**

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**Keywords:** CEC with a matrix of Nickel, ammonia electrolyte Nickel plating, dispersed phase, technical carbon, corrosion resistance, polarization curves, microhardness.

### **Abstract**

Electrochemical coating composition (CEC) are obtained with a matrix of nickel containing the particles of carbon phase. Studied the influence of the concentration of carbon particles on the composition of the CEC and soluble additives NaF at quality coatings. It is shown that the particle of carbon phase accelerate the discharge ions of the main metal. Found increasing corrosion resistance CEC of nickel-carbon compared with a control coating of nickel. The morphology of the surface of the nickel coatings and their microhardness are studied.