

FRI-CR-1-CT(R)-01

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## STUDY OF THE FORMATION OF CERAMIC-METAL COATINGS FOR SPECIAL ALLOYS<sup>1</sup>

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***Abstract:** The main advantages of ceramic-metal thermal insulation coatings are resistance to virtually all aggressive environments, high strength, wear resistance, hardness, low density and stability of mechanical properties over a wide temperature range. The paper reviews the process of forming ceramic-metal coatings on a chromium-nickel alloy was investigated. The analysis of the effect of the composition of the ceramic-metal coating on crack formation and surface quality of the coating is carried out. The basic properties of the developed ceramic-metal coatings are given.*

***Keywords:** Ceramic-metal coatings, Chromium-nickel alloy, Protection, Burning*

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<sup>1</sup> Reports Awarded with "Best Paper" Crystal Prize - 58th Science Conference of Ruse University, Bulgaria, 2019, ISBN 978-954-712-793-7