

Thermochemical Treatment of Non-Ferrous Alloys

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Even though the thermochemical treatment is thought as a typical domain of ferrous alloys, there exists a series of technically important processes in the case of non-ferrous metals. Thermochemical heat treatment processes can be divided to two main groups to the manufacture of wear resistant layers and the corrosion protection, mainly against the high-temperature corrosion. This paper summarizes current knowledge in this field and describes the realization of the processes and examples of practical applications.

Keywords: thermochemical treatment, titanium, aluminium, nickel

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