

ALUMINA BASED CERMETS USED AS I.R. ABSORBER COATINGS

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Abstract: *The paper presents the obtaining and preliminary characterization of Al₂O₃ films deposited by Spray Pyrolysis technique (SPD) from aqueous or water:ethanol solutions of AlCl₃. The films, deposited onto microscopic glass substrates at temperatures varying from 150 °C to 250 °C were analyzed by using the UV-VIS spectrometry. The influence of the precursor solution composition and deposition parameters on the thickness and possible composition of the obtained films has been studied.*

Key words: *cermet thin film, Al₂O₃, spray pyrolysis deposition.*

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