



Novel Coating Materials

By Alok Satapathy

LAP Lambert Academic Publishing Dez 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x9 mm. This item is printed on demand - Print on Demand Neuware - As high cost of spray grade coating powders limits the adoption of thermal spray techniques in industries, exploring low cost coating materials has become the need of the hour. This book is an exploration onto the coating potential of such a novel and cheap material called Red Mud that does not belong to the so called plasma sprayable category. Red mud is the major waste generated during the production of alumina from bauxite and it comprises of oxides of iron, titanium, aluminium and silica along with some other minor constituents. Plasma is used for deposition of red mud coatings on metal substrates. Plasma spray coating is a technique that combines particle melting, rapid solidification and consolidation in a single process. This book gives a detailed account of all these. 156 pp. English.



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