

Electroplated Ni/Ni-Co multilayer coatings for higher corrosion-erosion resistance

P. Hasanpour, P. Salehikahrizangi, K. Raeissi, M. Santamaria, L. Calabrese, E. Proverbio

Electroplated Ni/Ni-Co multilayer coatings for higher corrosion-erosion resistance

KEYWORD:

U

INTRODUCTION

Electroplated Ni/Ni-Co multilayer coatings for higher corrosion-erosion resistance

P. Hasanpour, P. Salehikahrizangi, K. Raeissi

am a al a a U
8 58 83 a a a

M. Santamaria, K. Raeissi

am U al m al ll
8 al m al

L. Calabrese, E. Proverbio

am U a a a
a a a 98 a al

Corrosion

EXPERIMENTAL PROCEDURE

The experimental procedure involves the preparation of metal specimens for corrosion testing. The specimens are first cleaned and then coated with a protective layer. The coating process is controlled to achieve a specific thickness and composition. The coated specimens are then immersed in a corrosive solution for a predetermined period. After the test, the specimens are removed and analyzed to determine the extent of corrosion. The results are compared to the initial state to evaluate the effectiveness of the coating. The procedure is repeated for different coating conditions to optimize the corrosion resistance of the metal.

RESULTS AND DISCUSSION

Coating Characterization

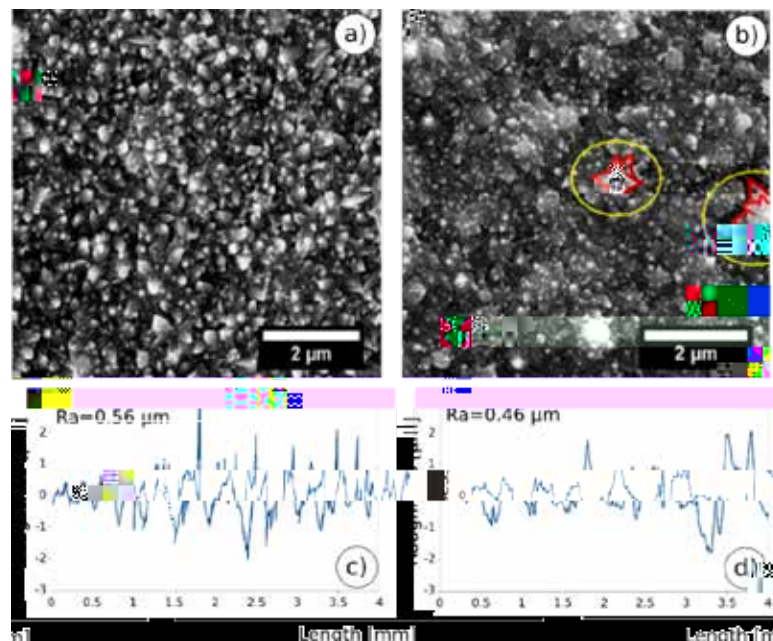


Fig. 1 - a m | a | a | a a a am |

REFERENCES

- a a l a al a l a a 0r 38 9_3
a ll a ll a 008 93_0r
3 l a l la k | & 0r
a l a l m a 008 _ 0r
5 al ka a a a ma al a l a al k l a l
l a m 0r 8 558 8_5
8 al ka a a a ma al l l lm a al
a l 0r 8 3 8 8 35
a a a a a a l m a l k l m a
l l 0r 8 5 98_5
8 a a al ka a a al al l a m a
a l 0r 9 38 _ 8
9 a k al a a a k a l a a
99 5 _ 88
0r a a a a a k l al all a m a l k
m 0r 5 38 38 8 8
a al la m lm l l l m a 0r
55 3_5 9
l l l m al m a a am la a
al k l m a 0r 3 3_5