

Accepted Manuscript

Cold spray deposition of an icosahedral-phase-strengthened aluminum alloy coating

T.J. Watson, A. Nardi, A.T. Ernst, I. Cernatescu, B.A. Bedard, M. Aindow



PII: S0257-8972(17)30528-5
DOI: doi: [10.1016/j.surfcoat.2017.05.049](https://doi.org/10.1016/j.surfcoat.2017.05.049)
Reference: SCT 22368
To appear in: *Surface & Coatings Technology*
Received date: 7 March 2017
Revised date: 4 May 2017
Accepted date: 18 May 2017

Please cite this article as: T.J. Watson, A. Nardi, A.T. Ernst, I. Cernatescu, B.A. Bedard, M. Aindow, Cold spray deposition of an icosahedral-phase-strengthened aluminum alloy coating, *Surface & Coatings Technology* (2017), doi: [10.1016/j.surfcoat.2017.05.049](https://doi.org/10.1016/j.surfcoat.2017.05.049)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Cold Spray Deposition of an Icosahedral-Phase-Strengthened Aluminum Alloy Coating

T.J. Watson^a, A. Nardi^b, A.T. Ernst^c, I. Cernatescu^a, B.A. Bedard^c, and M. Aindow^{c*}

^a Pratt & Whitney, Materials & Process Engineering, Structural Alloys and Processes, 400 Main Street, Mail Stop 114-40, East Hartford, CT 06108, USA.

^b United Technologies Research Center, East Hartford, CT 06108, USA

^c Department of Materials Science and Engineering, Institute of Materials Science, University of Connecticut, Unit 3136, 97 North Eagleville Road, Storrs, CT 06269-3136, USA.

Keywords: Aluminum Alloy; Cold Spray; Composite Microstructure; Quasicrystal

* Corresponding author: Mark Aindow

Tel: (860) 486 2644 Fax: (860) 486 4745

Email: m.aindow@uconn.edu

Download English Version:

<https://daneshyari.com/en/article/5465060>

Download Persian Version:

<https://daneshyari.com/article/5465060>

[Daneshyari.com](https://daneshyari.com)