



DEPARTMENT OF THE AIR FORCE
AIR FORCE RESEARCH LABORATORY
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433

Memorandum for the Record

22 April 2009

TO: AFRL/RXSSR

FROM: AFRLIMLSSO (Hoogsteden)

SUBJECT: Qualification of Type VIII Media in MIL-P-85891A

Based on a review of data generated by Aero-Tech Coatings Removal, Inc outlined in the presentation "2008 MIL-P-85891A First Article Test Summary July 28, 2008" on lot number MGII-031008 and data generated under the "Non-Residue Dry Media Stripping" phase of the "Aircraft coatings Removal Sub-system Technology Enhancements And Development" project by Southwest Research Institute (SwRI), use of Type VIII Nanostructured composite (amino resins (Thermoset) and reinforcing fiber) media in coatings removal operations would not adversely affect the material properties of substrates in use on Air Force systems. Systems include general Air Force systems, aircraft surfaces, and component parts each metallic and composite.

Type VIII plastic media should be included in the next revision of T.O. 1-1-8. The depaint process recommended using this media should be reviewed and approved by each specific systems manager before use on Air Force assets.

Based on the Aero-Tech data in the presentation and referenced laboratory report, the only tested and approved source qualifying to the Type VIII MIL-P-85891A requirements is US Technology Corporation, Magic II nanocomposite.

This Type VIII media, Nanostructured composite (amino resins (Thermoset) and reinforcing fiber), will be made part of an amendment 3 of the Military-Specification or incorporated into the next revision of the PMB specification.

For additional information, please contact William P. Hoogsteden, AFRL/RXSSO, 937-656-4223 or DSN 986-4223.


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