

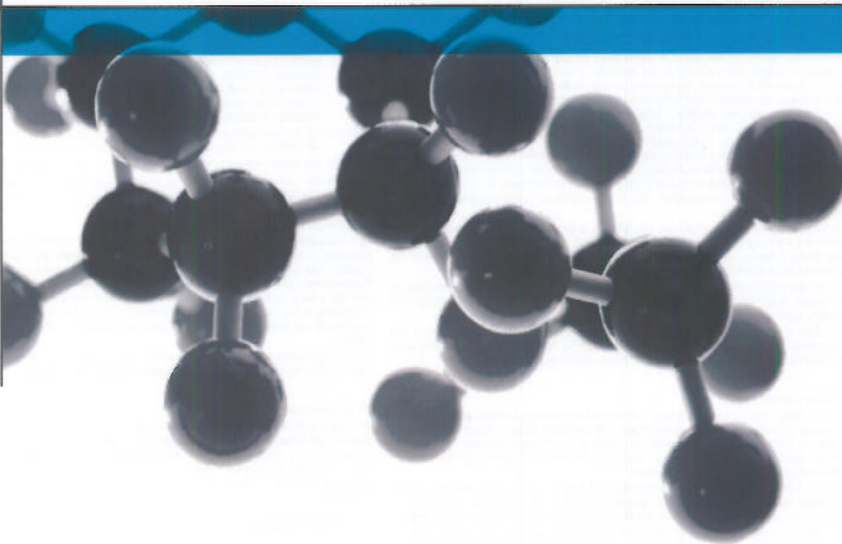
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## Test Certificate

# Fuel Immersion Testing in Accordance with MIL-PRF-4556F



**Immersion testing of coating system in  
accordance with MIL-PRF-4556F**

A Report To: DYO A.S.

Document Reference: N956074

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**Testing  
Advising  
Assuring**

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# Revision History

Issue No :	Re - Issue Date :
Revised By:	Approved By:
Reason for Revision:	

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1.0 INTRODUCTION

- 1.1. At the request of DYO A.S, Exova Coatings was instructed to carry out aviation fuel resistance testing on supplied paint systems.
- 1.2. Exova Coatings has tested the panels supplied by DYO A.S. as sampled in accordance with the client's own requirements.
- 1.3. The purpose of the testing was to evaluate the resistance of the coating system to the test environment.

2.0 TEST SPECIMENS

- 2.1. Two specimens were received by the Laboratory.
- 2.2. The test specimens received by the Laboratory were as follows:

Primer: C20-1544 / Phenolic Epoxy (100µm approximate DFT)  
Topcoat: C20-1544 / Phenolic Epoxy (100µm approximate DFT)

3.0 TEST METHOD

- 3.1. Testing was carried out in accordance with MIL-PRF-4556F, using BP Jet A-1 for the aviation fuel.
- 3.2. At the end of the test the samples were removed, wiped dry, individually photographed and evaluated in accordance with MIL-PRF-4556F (3.6.8).

4.0 TEST CONDITIONS

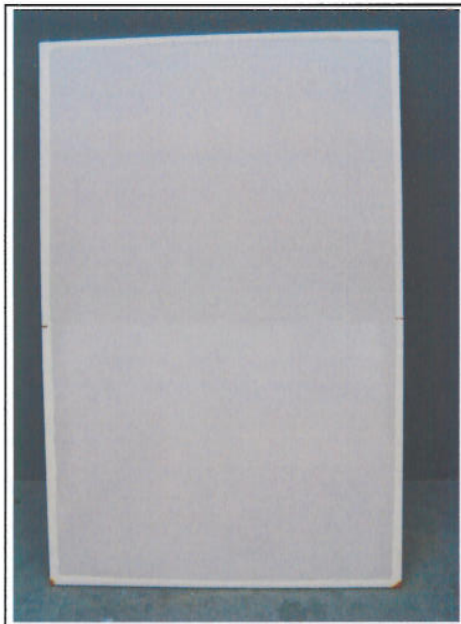
- 4.1. Solution: 50% Jet fuel / 50% water.  
Temperature: 52 ± 1°C.  
Duration: 21 days.

5.0 TEST RESULTS

- 5.1. **PASS** - Samples showed no signs of softening, loss of adhesion or blistering. Slight contrasting colour change was seen between the two phases (oil and water) although this was deemed to be within acceptable limits as specified within MIL-PRF-4556F (3.6.8).

6.0 PHOTOGRAPHS

- 6.1 Post-exposure:



Panel 1



Panel 2

The results contained within this report have been reported in an abbreviated format. The test data and result sheets containing more detailed information in accordance with the technical works procedures or standards used are held at Exova as part of the accredited quality assurance system. Opinions and interpretations expressed herein are outside the scope of the UKAS accreditation of this laboratory.

END OF TEXT

## Report Signatories and Approval

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