



Element Materials Technology  
662 Cromwell Avenue  
St Paul, MN  
55114-1720 USA

P 651 645 3601  
F 651 659 7348  
T 888 786 7555  
info.stpaul@element.com  
element.com

## UV TESTING OF PAINTED DOOR PANELS

Williams Brothers Corp.  
Attn: Marcus Williams

Front Royal, VA 22630

Date:

Author:

Report Number:

Client Purchase Order Number:

July 15, 2025

Mike Olszewski

ESP044666P.2R0

Signed Quote  
ESP0135402Q

Respectfully Submitted,

Mike Olszewski  
Principal Technician  
Product Qualification Testing  
651-659-7324

Reviewed By,

Kent Erickson  
Staff Engineer  
Product Qualification Testing  
651-659-7226

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## INTRODUCTION

This report presents the results of Xenon and Fluorescent UV testing conducted on painted metal door panels. The testing was authorized by Marcus Williams of Williams Brothers Corp. of America. The testing and data analysis were completed on July 6, 2025. The scope of work was limited to conducting UV tests on the submitted samples and reporting the results.

## CONCLUSIONS

There was only minor change to the samples as a result of the exposure.

## SAMPLE IDENTIFICATION

Two (2) samples were received for testing. The samples were not further identified by the client. The samples were each labeled for the Xenon and QUV (fluorescent) exposures.

## TEST METHOD

The samples were allowed to condition at standard laboratory conditions of  $73 \pm 4$  °F and  $50 \pm 5\%$  relative humidity for at least 24 hours prior to testing. Testing was performed according to the standards detailed below.

Test Method	Test Method Title	Test Parameters
ASTM G155-21	Standard Practice for Operating Xenon Arc Lamp Apparatus for Exposure of Materials	UV Exposure: 48 hours All light.
ASTM G154-23	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Materials	UV Exposure: 48 hours All light.

## CALIBRATED TEST EQUIPMENT

Asset ID	Description	Calibration Due Date
PT165-020	Q-Lab Xenon Test Chamber	2/Oct/2025
MM190-009	QUV Fluorescent Test Chamber	6/Aug/2025

## TEST RESULTS

There was negligible change from before to after the exposure. See Photographs for additional information.

## PHOTOGRAPHS



QUV Sample Pre-Exposure

**PHOTOGRAPHS (Continued)**



**QUV Sample Post-Exposure**

**PHOTOGRAPHS (Continued)**



**Xenon Sample Pre-Exposure**

**PHOTOGRAPHS (Continued)**



**Xenon Sample Post-Exposure**