



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

***Militex Coatings Inc.***  
***1881 Huron Street, London, ON N5V 3A5***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

**ISO/IEC 17025: 2017**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Providing protective coating corrosion, gloss and adhesion testing services on articles of metal, including but not limited to, accelerated weathering, such as cyclic and static corrosion testing, specular gloss measurements as well as evaluation subsequent testing.***  
***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen  
President  
Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Expiration Date:</i>
November 20, 2021	November 20, 2021	January 31, 2024
<i>Revision Date:</i>	<i>Accreditation No.:</i>	<i>Certificate No.:</i>
November 08, 2022	115703	L21-735-R1

*The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: [www.pjlabs.com](http://www.pjlabs.com)*



# Certificate of Accreditation: Supplement

## Militex Coatings Inc.

1881 Huron Street, London, ON N5V 3A5  
 Contact Name: Stella Asantey Phone: 519-659-0528

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Accelerated static corrosion testing on metal samples	ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus Salt fog test chamber Evaluation standards ASTM D610 ASTM D714, ASTM D1654	ASTM D1654 Creepage rating- 0 to 10 by measurement (mm) ASTM D714 Blistering rating is 0 to 10 by size and density (mm) ASTM D610 Rust grade rating: 0 to 10 by rust coverage percentage % Creepage rating: 0 to 10 by measurement mm. equation 10: 0 mm 9: over 0 mm to 0.5 mm 8: over 0.5 mm to 1.0 mm 7: over 1.0 mm to 2.0 mm 6: over 2 mm to 3 mm 5: over 3 mm to 5 mm 4: over 5 mm to 7 mm 3: over 7 mm to 10 mm 2: over 10 mm to 13 mm 1: over 13 mm to 16 mm 0: over 16 mm Blistering rating: 0 to 10 by size/ density rating 10: none Size 0 mm 8: pinpoint 0 mm to 1 mm 6: small 1 mm to 2 mm 4: medium 2 mm to 3 mm 2: large 3 mm to 5 mm 0: very large > 5mm



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Accelerated static corrosion testing on metal samples	ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus Salt fog test chamber Evaluation standards ASTM D610 ASTM D714, ASTM D1654	Rust grade rating: 0 to 10 by coverage percentage 10: < or = to 0 .01 % 9: >0 .01% to 0.03% 8: over 0.03% to 0.1% 7: over 0.1% to 0.3% 6: over 0.3% to 1% 5: over 1% to 3% 4: > 3% to 10% 3: > 10% to 16% 2: > 16% to 33% 1: over 33% to 50% 0: over 50%
		Testing gloss of applied coatings on product samples non-destructive	ASTM D523 Standard Test Method for Specular Gloss Gloss Meter @20° 60° 85°	High gloss > 70 GU Medium gloss 10 GU to 70 GU Low gloss < 10 GU
		Rate specimen for colour change, blistering	ASTM D1735 Testing water resistance of coating using water fog apparatus	ASTM D1654 Creepage rating: 0 to 10 by measurement (mm) ASTM D714 Blistering rating: 0 to 10 by size and density (mm) ASTM D610 Rust grade rating: 0 to 10 by rust coverage percentage Creepage rating: 1 to 10 by measurement mm. equation 10: 0 mm 9: over 0 mm to 0.5 mm 8: over 0.5 mm to 1.0 mm 7: over 1.0 mm to 2.0 mm 6: over 2 mm to 3 mm 5: over 3 mm to 5 mm 4: over 5 mm to 7 mm 3: over 7 mm to 10 mm 2: over 10 mm to 13 mm 1: over 13 mm to 16 mm 0: over 16 mm



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Rate specimen for colour change, blistering	ASTM D1735 Testing water resistance of coating using water fog apparatus	Blistering rating: 0 to 10 by size/ density rating 10: none Size 0 mm 8: pinpoint 0 mm to 1 mm 6: small 1 mm to 2 mm 4: medium 2 mm to -3 mm 2: Large 3 mm to -5 mm 0: very large > 5mm  Rust grade rating: 0 to 10 by coverage percentage 10: < or = to 0.01 % 9: over 0.01 to 0.03% 8: over 0.03 to 0.1% 7: over 0.1 to 0.3% 6: over 0.3 to 1% 5: over 1% to 3% 4: over 3% to 10% 3: over 10% to 16% 2: over 16% to 33% 1: over 33-50% 0: over 50%
		Evaluation of degree of rust, field and creep subjected to accelerated corrosion testing non-destructive	ASTM D1654 Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments Ref documents: ASTM D610, ASTM D714	Creepage rating: 0 to 10 by measurement/ equation 10: 0 mm 9: over 0 mm to 0.5 mm 8: over 0.5 mm to 1.0 mm 7: over 1.0 mm to 2.0 mm 6: over 2 mm to 3 mm 5: over 3 mm to 5 mm 4: over 5 mm to 7 mm 3: over 7 mm to 10 mm 2: over 10 mm to 13 mm 1: over 13 mm to 16 mm 0: over 16 mm



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Accelerated cyclic corrosion testing on metal samples	ASTM G85 a 5 Standard Practice for Modified Salt Spray (Fog) Testing Evaluation standards ASTM D610 ASTM D714, ASTM D1654	<p>ASTM D1654 Creepage rating: 0 to 10 by measurement (mm)</p> <p>ASTM D714 Blistering rating: 0 to 10 by size and density (mm)</p> <p>ASTM D610 Rust grade rating: 0 to 10 by rust coverage percentage</p> <p>Creepage rating: 0 to 10 by measurement mm.            equation            10: 0 mm            9: over 0 mm to 0.5 mm            8: over 0.5 mm to 1.0 mm            7: over 1.0 mm to 2.0 mm            6: over 2 mm to 3 mm            5: over 3 mm to 5 mm            4: over 5 mm to 7 mm            3: over 7 mm to 10 mm            2: over 10 mm to 13 mm            1: over 13 mm to 16 mm            0: over 16 mm</p> <p>Blistering rating is 0 to 10 by size/ density rating            10: none Size 0 mm            8: pinpoint 0 mm to 1 mm            6: small 1 mm to 2 mm            4: medium 2 mm to 3 mm            2: large 3 mm to 5 mm            0: very large &gt; 5mm</p> <p>Rust grade rating: 0 to 10 by coverage percentage            10: &lt; or = to .01 %            9: over 0.01% to 03%            8: over .03% to 0.1%            7: over 0.1% to 0.3%            6: over 0.3% to 1%            5: over 1% to 3%            4: over 3% to 10%            3: over 10% to 16%            2: over 16% to 33%            1: over 33% to 50%            0: over 50%</p>



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Evaluation of degree of blistering subsequent accelerated corrosion testing non-destructive	ASTM D714 Standard Test Method for Evaluating Degree of Blistering of Paints	Blistering rating: 0 to 10 by size/ density rating 1: none Size 0 mm 8: pinpoint 0 mm to 1 mm 6: small 1 mm to -2 mm 4: medium 2 mm to 3 mm 2: large 3 mm to 5 mm 0: very large > 5mm
		Testing adhesion properties to applied coatings performance on product samples	ASTM D3359 Standard Test Methods for Rating Adhesion by Tape Test Special Customer method requests Method A and B	<b>Method A</b> 5B: 0% 4B: <5% 3B: 5% to15% 2B: 15% to35% 1B: 35% to 65% 0B: >65% <b>Method B</b> 4A: 0 mm 3A: up to 1.6mm 2A: 1.6 mm to 3.2mm 1A: most of X removed 0A: removed past X
		Evaluation of the degree of rust subsequent accelerated corrosion testing non-destructive	ASTM D610 Standard Practice for Evaluating Degree of Rusting	Rust grade rating- 0-10 by coverage percentage 10: less than or = to .01 % 9: 0.01% to0. 03% 8: over 0.03% to 0.1% 7: over 0.1% to 0.3% 6: over 0.3% to 1% 5: over 1% to 3% 4: over 3% to 10% 3: over 10% to 16% 2: over 16% to 33% 1: over 33% to 50% 0: over 50%
		Accelerated laboratory corrosion test	GMW 14872 Cyclic Corrosion Laboratory Test, Weight of mass loss coupons associated with data collection points ASTM D610 ASTM D714 ASTM D1654	ASTM D1654 Creepage rating: 0 to 10 by measurement (mm/in) ASTM D714 Blistering rating: 0 to 10 by size and density (mm/in) ASTM D610 Rust grade rating: 0 to 0 by rust coverage percentage



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Accelerated laboratory corrosion test	GMW 14872 Cyclic Corrosion Laboratory Test, Weight of mass loss coupons associated with data collection points ASTM D610 ASTM D714 ASTM D1654	Creepage rating: 10-0 by measurement (mm) equation 10: 0 mm 9: over 0 mm to 0.5 mm 8: over 0.5 mm to 1.0 mm 7: over 1.0 mm to 2.0 mm 6: over 2 mm to 3 mm 5: over 3 mm to 5 mm 4: over 5 mm to 7 mm 3: over 7 mm to 10 mm 2: over 10 mm to 13 mm 1: over 13 mm to 16 mm 0: over 16 mm Blistering rating: 0 to 10 by size/ density rating 10: none Size 0 mm 8: pinpoint 0 mm to 1 mm 6: small 1 mm to 2 mm 4: medium 2 mm to 3 mm 2: Large 3 mm to 5 mm 0: very large > 5mm Rust grade rating: 0 to 10 by coverage percentage 10: < or = to .01 % 9: over 0.01% to 0.03% 8: over 0.03% to 0.1% 7: over 0.1% to 0.3% 6: over 0.3% to 1% 5: over 1% to 3% 4: over 3% to 10% 3: over 10% to 16% 2: over 16% to 3% 1: over 33% to 50% 0: over 50%
		Measurement of Dry Film Thickness of Nonmagnetic Coatings non-destructive	ASTM D7091 Standard Practice for Nondestructive Measurement of Dry Film Thickness in Metals	Coating thickness probe for ferrous and non-ferrous metal substrates scale 1: 0 mils to 60 mils (0 μm to 1500 μm)
		Standard test method for evaluating degree of cracking in exterior coatings	ASTM D661	Evaluation per customers special requirements as per PO



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Mechanical <sup>F</sup>	Coupons of ACT Panels and painted Components of metal	Accelerated laboratory corrosion test	SAE J2334 Cyclic Corrosion Laboratory Test	ASTM D1654 Creepage rating: 0 to 10 by measurement (mm) ASTM D714 Blistering rating: 0 to 10 by size and density (mm) ASTM D610 Rust grade rating: 0 to 10 by rust coverage percentage Creepage rating: 0 to 10 by measurement mm/in. equation 10: 0 mm 9: over 0 mm to 0.5 mm 8: over 0.5 mm to 1.0 mm 7: over 1.0 mm to 2.0 mm 6: over 2 mm to 3 mm 5: over 3 mm to 5 mm 4: over 5 mm to 7 mm 3: over 7 mm to 10 mm 2: over 10 mm to 13 mm 1: over 13 mm to 16 mm 0: over 16 mm Blistering rating: 0 to 10 by size/ density rating 10: none 0 mm 8: pinpoint 0 mm to 1 mm 6: small 1 mm to 2 mm 4: medium 2 mm to 3 mm 2: large 3 mm to 5 mm 0: very large > 5mm Rust grade rating: 0 to 10 by coverage percentage 10: < or = to .01 % 9: over 0.01% to 0.03% 8: over 0.03% to 0.1% 7: over 0.1% to 0.3% 6: over 0.3% to 1% 5: over 1% to 3% 4: over 3% to 10% 3: over 10% to 16% 2: over 16% to 33% 1: over 33% to 50% 0: over 50%

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this testing at its fixed location.