



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Adhezion, Inc.

7730 Childsdale Ave NE, Rockford, MI 49341

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

ISO/IEC 17025:2005

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 January 2009):

Mechanical, Non-Destructive, and Chemical 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/Operations Manager

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

Initial Accreditation Date:

March 17, 2015

Issue Date:

September 20, 2016

Expiration Date:

December 31, 2018

Accreditation No.:

78569

Certificate No.:

L16-381

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.pjilabs.com



Certificate of Accreditation: Supplement

Adhezion, Inc.

7730 Childsdale Ave NE, Rockford, MI 49341
 Contact Name: Jim Huyck Phone: 248-303-9837

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 ^F	Assembly	Lap Shear - Shear Force	WI-LP002-13 ASTM D3163	Capacity: 10 kN
		Tongue and Groove Tensile Strength	WI-LP003-13	Speed: 0.005 mm/min to 500 mm/min
		Peel Strength 90 degree peel	WI-LP014-14 ASTM D6862-	Test Distance: 0 mm to 1 122 mm
		Peel Strength 180 degree peel	WI-LP014-14 ASTM D903	
		Heat Resistance -SAFT	ASTM-D4498	Ramp Temperature to Failure
		Creep Resistance – Static Shear	WI-LP010-14 ASTM D1780	Qualitative/Visual
		Cold Impact Resistance -Cold Slam	WI-LP009-14	
	Adhesive, Sealer or Coating	Viscosity – Brookfield Viscometer	WI-LP016-14 ASTM D3236	100 cps to 8 000 000 cps RT-300°C
			ASTM D412	Capacity: 10 kN Speed: 0.005 mm/min to 500 mm/min Test Distance: 0 mm to 1 122 mm
		Slump/ Temperature Resistance/Bead Sag	WI-LP018-14	0.5 mm to 100 mm
		Adhesive	Material Tack – Tack Determination	ASTM D-3121
	Bond Performance Development/ Green Strength Testing		WI-LP017-14 ASTM D1144	Capacity: 10 kN Speed: 0.005 mm/min to 500 mm/min Test Distance: 0 mm to 1 122 mm
	Non-Destructive ^F	Assembly	Humidity Resistance	Time and temperature parameters per customer direction ASTM B117
Heat Age Resistance			Time and temperature parameters per customer direction ASTM D4499	60 °C to 260 °C
Cold Temperature Resistance			Time and temperature parameters per customer direction	-40 °C to 0 °C



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Non-Destructive ^F	Assembly	Water Resistance	Time and temperature parameters per customer direction ASTM D870	22 °C to 260 °C
	Substrate	Dyne Surface Free Energy	WI-LP008-13 ASTM D2578	30 dyne/cm to 72 dyne/cm
	Adhesive, Sealer or Coating	Hardness/Shore A	WI-LP019-15 ASTM D2240	0 Shore A to 100 Shore A
		Density/Weight per Gallon	ASTM D1875	D.L. = 83.2 mL
Chemical ^F	Adhesive	Gel Time – 2k material	WI-LP001-13	± 1 sec

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.

