



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Applied Adhesives

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 17025:2017

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 Insert April 2017):

Chemical, Mechanical and Non-Destructive 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

Initial Accreditation Date:

March 17, 2015

Issue Date:

September 15, 2024

Expiration Date:

December 31, 2026

Accreditation No.:

78569

Certificate No.:

L24-709

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

Applied Adhesives

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:

| FLEX CODE | FIELD OF TEST | ITEMS, MATERIALS, OR PRODUCTS TESTED | COMPONENT, CHARACTERISTIC, PARAMETER TESTED | SPECIFICATION OR STANDARD METHOD | TECHNOLOGY OR TECHNIQUE USED | |
|----------------|------------------------------|---|---|---|---|------------------------------|
| F1, F4, F5 | Chemical ^F | Adhesive | Gel Time – 2K material | WI-LP001-13 | Timer, Weight Scale | |
| F1, F2, F4, F5 | Mechanical ^F | Assembly | Lap Shear - Shear Force | WI-LP002-13 ASTM D3163 | Universal Test Machine | |
| F1, F4, F5 | | | Tongue and Groove Tensile Strength | WI-LP003-13 | | |
| F1, F2, F4, F5 | | | Peel Strength 90 degree peel | WI-LP014-14 ASTM D6862 | | |
| F1, F2, F4, F5 | | | Peel Strength 180 degree peel | WI-LP014-14 ASTM D903 | | |
| F1, F2, F4, F5 | | | Creep Resistance – Static Shear | WI-LP010-14 ASTM D1780 | | Temperature Chamber, Weights |
| F1, F2, F4, F5 | | | Adhesive, Sealer or Coating | Viscosity – Brookfield Viscometer | | WI-LP016-14 ASTM D3236 |
| F1, F2 | | Elongation/Tensile Strength/Young's Modulus Material properties | | ASTM D412 | Universal Test Machine | |
| F1, F4, F5 | | Slump/ Temperature Resistance/Bead Sag | | WI-LP018-14 | Temperature Chamber, Metal Rule/Scale | |
| F1, F2 | | Adhesive | | Material Tack – Tack Determination | ASTM D3121 | Inclined Trough, Steel ball |
| F1, F2, F4, F5 | | | Bond Performance Development/ Green Strength Testing | WI-LP017-14 ASTM D1144 | Universal Test Machine, Timer | |
| F1, F2, F5 | Non-Destructive ^F | Assembly | Humidity Resistance | ASTM B117 Time and temperature parameters per customer direction | Heated Humidity Chamber | |
| F1, F4, F5 | | | Heat Age Resistance | WI-LP011-14 Time and temperature parameters per customer direction | Temperature Chamber | |
| F1, F4, F5 | | | Cold Temperature Resistance | | | |
| F1, F2, F5 | | | Water Resistance | ASTM D870 Time and temperature parameters per customer direction | Water Tank, Temperature Controller/Heater, Circulation Pump | |
| F1, F2, F4, F5 | | Substrate | Dyne Surface Free Energy | WI-LP008-13 ASTM D2578 | Dyne Solution | |
| F1, F2 | | Adhesive, Sealer or Coating | Hardness/Shore A, D | WI-LP019-15 ASTM D2240 | Durometer Gauge | |
| F1, F2 | | Adhesive, Sealer or Coating | Density/Weight per Gallon | ASTM D1875 | Specific Gravity Cup | |



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

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
2. Flex Code:
 - F0-Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification
 - F1-Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
 - F2-Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
 - F3-Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
 - F4-Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
 - F5-Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

