



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

### ***Taber Industries***

***455 Bryant Street, North Tonawanda, NY 14120***

*(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):

### ***Mechanical 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

*Initial Accreditation Date:*

February 18, 2021

*Issue Date:*

May 24, 2023

*Expiration Date:*

May 24, 2025

*Accreditation No.:*

102863

*Certificate No.:*

L23-413

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

*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.pjllabs.com](http://www.pjllabs.com)*



# Certificate of Accreditation: Supplement

## Taber Industries

455 Bryant Street, North Tonawanda, NY 14120  
Contact Name: Mary Grace Keenan Phone: 716-694-4000

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>	High Pressure Decorative Laminates (HPDL)	Scratch Resistance (Section 3.7)	ANSI / NEMA LD3	Visual - Determine the lowest load for which an almost continuous (>90%) double circle of scratch marks can be seen.
	High Pressure Decorative Laminates (HPDL)	Wear Resistance (Section 3.13)	ANSI / NEMA LD3	Visual - Minimum 400 cycles before I.P. 3000 cycles for "high wear" (see annex D).
	Transparent Plastics	Surface Abrasion	ASTM D1044	Change in percentage of haze. Plot if more than one measurement of cycles.
	Dimension Stone	Abrasion Resistance	ASTM C1353 / C1353M	Number of abrasion cycles; Index of abrasion of each specimen; Average of three to 0.1 g.
	Coated Fabrics		ASTM D3389	Mass loss (g), or wear index (mass loss per revolutions, (mg)), or both, if required. Total revolutions or cycles until first yarn exposure occurred.
	Textile Fabrics		ASTM D3884	Residual breaking load, Percentage loss in breaking load, Average cycles to failure on the other end point.
	Organic Coatings		ASTM D4060	Number of wear cycles recorded for each test specimen; Wear index, weight loss (0.1 mg), or wear cycles per mil for each test specimen, and Mean and range of the abrasion resistance values of the replicate coated panels.
	High Gloss Coatings	Dry Abrasion Mar Resistance (Method A)	ASTM D6037	The percent gloss retention values that were obtained for each coating in the series. Or a plot of percent gloss retention versus number of abrasion cycles, if more than one number of abrasion cycles was used.



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Mechanical <sup>F</sup>	Metallic Thermal Spray Coatings	Abrasion Resistance	ASTM F1978	All cumulative mass losses following abrasion and/or ultrasonic cleaning. The mean cumulative mass loss and its standard deviation for 2, 5, 10, and 100 cycles. All to 0.0001 g.
	Rigid or Flexible Materials	Wear	ASTM G195	Evaluation criteria used to obtain failure or other end point, and results as determined in Section 12: Mass Loss, Wear Index, Wear Cycles per Mil, Volume Loss, Depth of Wear Method, Cycles-to-endpoint, Residual/Average/Percent loss in Breaking Force.
	Kitchen Sinks	Resistance to Abrasion (Section 5.7)	EN 13310	<i>Visual</i> - Observe if the top layer of any of the three test specimens is abraded through in at least one point in each of the four quadrants.
	Laminate Floor Coverings - with a surface layer based on aminoplastic thermosetting resins	Abrasion Resistance (Annex E)	EN 13329	<i>Visual</i> - Average IP-values (revolutions) of the three samples rounded to nearest 100 cycle.
	Wood Flooring	Resistance to Wear (Section 5)	EN 13696	<i>Visual</i> - Number of rotations to wear the lacquer through, rounded to the previous hundred. Average of the individual numbers of rotations to wear the lacquer through each test piece rounded to the previous hundred.
	Wood-based Panels - Melamine faced boards for interior uses.	Resistance to Abrasion (Section 5.9)	EN 14323	<i>Visual</i> - Results shall be the mean value of the 3 test pieces and shall be expressed as a class as defined in EN 14322.
	Furniture	Abrasion (Section 5.3)	EN 15185	<i>Visual</i> - Number of cycles required to reach the IP. Report the mean value of 3 test surfaces to the nearest 10 cycles.



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Mechanical <sup>F</sup>	High-pressure Decorative Laminates (HPL) - Sheets based on thermosetting resins.	Resistance to Surface Wear (Section 10) Resistance to Abrasion (Section 11)	EN 438-2	<i>Visual</i> - Record both IP and FP {See IP poster to reference initial wearpoint. The final wear point (FP) occurs in the case of a patterned laminate when about 95 % of the pattern is removed in the abraded area, and in the case of a plain-colour laminate when an underlayer of a different colour is exposed over about 95 % of the abraded area}.
	Hard Anodic Oxidation Coatings - On aluminum and its alloys	Abrasion (Annex C.3)	ISO 10074	Mass loss (mg).
	Rigid Plastic Safety Glazing Materials	Abrasion Resistance (Section 11, except 11.7)	ISO 15082	Delta haze.
	Leather	Abrasion Resistance	ISO 17076-1	<i>Visual</i> - Number of cycles tested, colour change compared with <u>gray scale rating</u> if required.
	Laminate Floor Coverings	Abrasion Resistance (Method A)	ISO 24338	<i>Visual</i> - Result of [avg.] abrasion resistance (# of cycles), corrected single values, and calibration factor.
	Safety Glazing Materials	Abrasion Resistance (Section 8)	ISO 3537	Delta haze. Indicate whether Illuminant A or Illuminant C has been employed.
	High-Pressure Decorative Laminates - Based on thermosetting resins	Resistance to Surface Wear (Section 11)	ISO 4586-2	<i>Visual</i> - Initial wear point (IP) in revolutions. Resistance to surface wear in revolutions.
	High-Pressure Decorative Laminates - Based on thermosetting resins	Resistance to Abrasion (Section 12)	ISO 4586-2	<i>Visual</i> - Resistance to abrasion of the sample (revolutions or cycles).
	Paints and Varnishes	Resistance to Abrasion	ISO 7784-1	Average mass loss, Individual mass loss, average number of cycles to complete wear of coating.
	Paints and Varnishes	Resistance to Abrasion	ISO 7784-2	Mean loss of mass and the single values (mg).



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Mechanical <sup>F</sup>	Plastics	Resistance to Wear	ISO 9352	Number of cycles required to obtain a defined deterioration in appearance (nearest 25 cycles), mass loss (kg/1 000 rev.) or volume loss (mm <sup>3</sup> /1 000 rev).
	Anodic Coatings - For Aluminum and Aluminum Alloys	Abrasion Resistance (Section 4.5.5)	MIL-PRF-8625	Mass loss; 3.5mg/1 000 cycles on aluminum alloys with copper content ≥ 2% or 1.5mg/1 000 cycles for all others.
	Laminate Flooring	Wear Resistance (Section 3.7)	NALFA LF-01	Wear resistance: Average of three tests' IP rounded to nearest 50 cycles.
	Hard Anodic Coating - On Aluminum and Aluminum Alloys	Abrasion Resistance (Section 3.3.4)	SAE AMS 2469	Mass loss.
	Automotive Carpet Materials	Resistance to Fiber Loss (Section 3) Resistance to Abrasion and Bearding (Section 4)	SAE J 1530	Part 3: fiber loss (g). Part 4: continuation of part 3; report results as agreed upon.
	Automotive Bodycloth, Vinyl, and Leather	Resistance to Abrasion and Snagging (Section 3)	SAE J 948	<i>Visual</i> - after 400 cycles for snagging test; 1 000 cycles for abrasion.
	Safety Glazing Materials	Abrasion Resistance, Test 12 - Interior (Section 7.12) Abrasion Resistance, Test 13 - Exterior (Section 7.13.2)	SAE J 3097 Z26	Haze.
	Paper and Paperboard	Abrasion	Tappi T 476	Average of at least three Specimens abrasion loss (mg/1 000 cycles). Number of revolutions to endpoint. Actual weight loss.
	Wood-based Panels - Wood veneer floor covering	Wear Resistance (Annex D)	EN 14354	Number of revolutions to wear through.



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Mechanical <sup>F</sup>	Resilient Floor Coverings	Wear Resistance	EN 660-2	Loss of mass per cycle of 200 or 1 000 revolutions in milligrams to one decimal place. Proportion of the embossed pattern that is abraded for each cycle of 200 or 1 000 revolutions. Average loss of mass (in milligrams) and average loss of volume (in cubic millimeters) per 100 revolutions to one decimal place. Mean Value of the average losses of volume of three specimens in cubic millimetres to one decimal place.
	Laminate Floor Coverings	Abrasion Resistance (Method B)	ISO 24338	Result of abrasion resistance – average of 3 corrected single test values in number of revolutions to the nearest 100.
	Resilient Floor Coverings	Abrasion	ASTM F510 / F510M	Volume loss in cubic centimeters or Volume loss in cubic millimeters per 100 revolutions.
	Trim Materials	Resistance to Scuffing	SAE J 365	Scuff resistance compared to an approved master scuff specimen.
	Textiles	Colour Fastness to Rubbing	ISO 105-X12	Numerical rating of staining assessed with grey scale.
	Fabrics	Stiffness (option A)	ASTM D1388	Overhang length to the nearest 0.1 cm (0.1 in.).
	Organic Coatings	Abrasion Resistance	ASTM D968	Method A – Abrasion Resistance in litres per mil. Method B – Abrasion Resistance in Kgs per mil.
	Flexible Packaging Films	Abrasion Resistance	ASTM F3300	Cycles to Breakthrough.
	High Gloss Coatings	Rub Abrasion & Mar Resistance (dry abrasion only)	ASTM D6279	Percent Gloss Retention.
	Transparent Plastics and Coatings	Abrasion Resistance	ASTM F735	Percentage of transmitted light and percent haze.
	Furniture	Scratching	EN 15186	Scratching resistance rounded to the nearest 1.0 N.
	Metals, Ceramics, Polymers, and Coated Surfaces	Scratch Hardness	ASTM G171	Scratch Hardness Number, in GPa.



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Mechanical <sup>F</sup>	Kitchen Sinks	Resistance to Scratching (Section 5.6)	EN 13310	Scratch width and depth.
	Wood-based Panels - Melamine faced boards for interior uses.	Resistance to Scratching (Section 5.5)	EN 14323	Minimum load giving a continuous mark visible after 24 h in the standard atmosphere.
	Resilient Floor Coverings - Floor coverings based upon synthetic thermoplastic polymers	Resistance to Scratching (Annex A)	EN 14565	Mass of the load that caused the 1st visible uninterrupted circle of scratch.
	High-pressure Decorative Laminates (HPL). Sheets based on thermosetting resins.	Resistance to Scratching (Section 25)	EN 438-2	Scratch Resistance according to rating scale. Based on the lowest load for which an almost continuous double circle of scratch marks can be seen.
	Vitreous and Porcelain Enamels	Scratch Resistance	ISO 15695	Scratch Resistance in N. Highest force at which the scratch retains the colour of the felt pen for less than 50% of the tested length.
	High-pressure Decorative Laminates - Based on thermosetting resins	Resistance to Scratching (Section 29)	ISO 4586-2	Scratch Resistance per rating scale (the lowest load for which an almost continuous double circle of scratch marks can be seen).
	Paper and Board	Resistance to Bending	ISO 2493-2	Bending Resistance in millinewton metres, to 3 significant figures.
	Paper and Paperboard	Bending Resistance - Stiffness	Tappi T 489	Resistance to bending calculated from bending moment, to three significant figures. Bending moment in stiffness units or millinewton meters, to three significant figures.



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Mechanical <sup>F</sup>	Paper	Bending Resistance - Stiffness	Tappi T 566	Resistance to bending calculated from bending moment, to three significant figures. Bending moment in stiffness units or millinewton meters, to three significant figures.
	Leather	Relative Stiffness	ASTM D2821	Torsion measurement to the nearest 5 degrees.
	Textile Webbing	Abrasion Resistance	ASTM D6770	Abrasion resistance, percent retained in breaking force to the nearest 1%. Breaking force of abraded test specimens. Breaking force of unabraded test specimens.
	ID Cards	Abrasion Resistance (par. 5.8)	ANSI INCITS 322	<i>Visual</i> – number of cycles to the specified requirement (wear through to substrate).
	Polymer Coated Steel Wire	Abrasion Resistance (par. 13.1.5)	ASTM A975	Average cycles to failure when the polymer coating is worn through to the metal wire.
	Autocatalytic Nickel Boron Coatings	Abrasive Wear (Appendix X2)	ASTM B607	Average weight loss in mg for each specimen per 1 000 cycles (Taber Wear Index) and mean weight loss in mg.
	Autocatalytic (Electroless) Nickel-Phosphorus Coatings	Abrasive Wear (Appendix X1)	ASTM B733	Average weight loss in mg for each specimen per 1 000 cycles (Taber Wear Index) and mean weight loss in mg.
	Hard-Coat Anodizing of Magnesium	Abrasive Wear (Annex A1)	ASTM B893	Average weight loss in mg for each specimen per 1 000 cycles (Taber Wear Index).
	Anodic Coatings	Abrasion Resistance	ASTM B1023	Mass loss or wear index.
	Unglazed Ceramic Tile	Abrasive Wear	ASTM C501	Average abrasive wear index.
	Mortar Surfaces	Abrasion Resistance	ASTM C1803	Evaluation criteria may include: change in gloss, color loss, loss in coating, or other changes in appearance. A visual grading scale or pass/fail criterion established by the interested parties is recommended.





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Mechanical <sup>F</sup>	Corduroy Fabrics	Abrasion (Pile Retention)	ASTM D4685/ D4685M	Visual – loss of pile as observed by transmitted light with results graded from 1.0 (very poor) to 5.0 (excellent).
	Leather	Abrasion Resistance	ASTM D7255	Visual – the number of cycles required to break through the finished surface or, alternatively, by a judgment of the appearance or condition of the specimen after a fixed number of cycles.
	Printed, Pressure Sensitive Labels	Abrasion Resistance (par. 11.5)	ASTM D7932	Minimum acceptable print quality.
	Rubber Floor Tile	Abrasion Resistance (par. 8.6)	ASTM F1344	Mass loss shall not exceed 1 gram after 1 000 cycles.
	Laminate Floor Coverings	Abrasion Resistance (Annex A)	EN 15468	Visual – number of cycles to generate wear in 12 sectors of 16 and wear at least in 1 sector per quadrant.
	Rubber or Plastics Coated Fabrics	Abrasion Resistance	ISO 5470-1	Number of cycles to end point (change in color; exposure of substrate; mass loss; or by reference to a relevant physical property).
	Plasma-Sprayed Titanium Coatings on Metallic Surgical Implants	Abrasion Resistance (par. 4.4.5)	ISO 13179-1	Mass loss of the surface coating shall be less than 65 mg after 100 cycles.
	Chromium Thin, Hard, Dense Deposit Plating	Abrasion Resistance (par. 3.4.4.1)	SAE AMS 2438F	Wear index of less than 1.2 average, or 6 mg.
	Plasma Spray Thermal Coatings	Abrasion Resistance (par. 6.2.3)	ASTM F2068	Average Mass of Liberated Porous coating material shall be less than 65 mg after 100 cycles.
	Cork Floor Coverings	Abrasion Resistance (par. 8.5)	ASTM F3008	When tested per the method described in ISO 24338–Method A, cork floor tile shall pass at $\geq 4000$ revolutions for commercial use.
	Medical Textiles	Flexural Rigidity	ASTM F3260	Flexural rigidity ( $\mu\text{N}\cdot\text{m}$ ) Average of all specimens tested.

1. 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.
2. IP = initial point of wear. FP = final point of wear.