



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

A PLUS COATING SOLUTIONS INC.
Bay D, 2916-19 Street N.E.
Calgary, Canada T2E 6Y9
Sherry Rao Phone: 1 403 719 8881
Email: sherry.rao@apluscoating.com
<https://apluscoating.com>

MECHANICAL

Valid To: September 30, 2024

Certificate Number: 5010.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following protective coatings:

<u>Test(s):</u>	<u>Test Method(s):</u>
Impact Resistance	ASTM G14; ASTM D2794; CSA Z245.20, Section 12.12; NACE SP0394, Appendix I; API RP 5L7, Appendix 14, API RP 5L9, Appendix J; ISO 21809-1, Annex E; ISO 21809-2, Annex A.14; ISO 21809-3, Annex D; BS EN 10289, Annex C; BS EN 10290, Annex C; BS EN 10268, Annex H; DIN 30670, Annex H
Flexibility (Bend)	CSA Z245.20, Section 12.11; NACE SP0394, Appendix H; API RP 5L7, Appendix 13; API RP 5L9, Appendix I; ISO 21809-1, Annex I; ISO 21809-2, Annex A13; BS EN 10290, Annex K
Hot Water Soak (Hot Water Adhesion)	CSA Z245.20, Section 12.14; NACE SP0394, Appendix J; API RP 5L7, Appendix 16; API RP 5L9, Appendix L; ISO 21809-1, Annex M; ISO 21809-2, Annex A.16; ISO 21809-3, Annex I; BS EN 10289, Annex G; BS EN 10290, Annex G

Test(s):	Test Method(s):
Penetration (Indentation) Resistance	ASTM G17; ISO 21809-1, Annex F; ISO 21809-3, Annex E; BS EN 10289, Annex H; BS EN 10290, Annex H; BS EN 10268, Annex G
Gouge Resistance	CSA Z245.20, Section 12.15; CSA Z245.21, Section 12.7; NACE TM0215
Durometer Hardness Shore D	ASTM D2240
Taber Abrasion	ASTM D4060
Adhesion by Knife	ASTM D6677; ISO 21809-3, Annex Q; BS EN 10289, Annex D; BS EN 10290, Annex D; BS EN 10268, Annex G
Pull-Off Adhesion	ASTM D4541 Method D; ISO 4624 Method B; API RP 5L7 Appendix 9
Adhesion by Tape Test	ASTM D3359; ISO 2409
Water Vapor Transmission	ASTM E96/ASTM E96M, Water Method; ASTM D1653, Method B-Wet Cup, Condition C
Water Absorption	ASTM D570
Cathodic Disbondment	CSA Z245.20, Section 12.8; CSA Z245.21, Section 12.3; ASTM G8, ASTM G42, ASTM G95; ISO 15711; ISO 21809-1, Annex H; ISO 21809-2, Annex A.9 and Annex A.10; ISO 21809-3, Annex G; NACE TM0115; NACE SP0394, Appendix F; API RP 5L7, Appendix 11; API RP 5L9, Appendix G; BS EN 10289, Annex E; BS EN 10290, Annex E; BS EN 10268, Annex K
Specific Electrical Insulation Resistance	ISO 21809-3, Annex F; BS EN 10289, Annex F; BS EN 10290, Annex F; BS EN 10268, Annex G; DIN 30670, Annex J
Thermal Cycling	ASTM D6944
Salt Spray	ASTM B117; ASTM G85, Annexes 1, 2, and 5; ISO 9227, NSS and AASS; ISO 14993

Test(s):	Test Method(s):
UV/Condensation	ASTM D4587; ASTM G154; ISO 16474-3, Method A; ISO 4892-3
Cyclic Corrosion (Weathering, Ageing Resistance)	ASTM D5894; ISO 12944-9, Annex B
Water Condensation	ASTM D4585; ISO 6270-1
Examination and Rating	ASTM D714; ASTM D610; ASTM D1654; ISO 4628-2; ISO 4628-3; ISO 4628-4; ISO 4628-5; ISO 4628-8; CSA Z245.20, Sections 12.9 and 12.10; NACE SP0394, Appendixes G and K; API RP 5L7, Appendix 15; API RP 5L9, Appendix K
Autoclave	NACE TM0185; API RP 5L2, Appendix E; API RP 5L2, Appendix F; API RP 5L7, Appendix 10; ISO 15741, Annex C; ISO 15741, Annex D
Chemical Resistance	NACE TM0174; ASTM D6943; ASTM G20; ASTM D870; ASTM D1308; ISO 2812-1; ISO 2812-2; API RP 5L7, Appendix 12; API RP 5L9, Appendix H
Electrochemical Impedance Spectroscopy (EIS)	ISO 16773-2
Differential Scanning Calorimetry (DSC)	ASTM E1356; ASTM D3418; CSA Z245.20, Section 12.7; NACE SP0394, Appendix D; API RP 5L7, Appendix 5; ISO 11357-2; ISO 21809-1, Annex D; ISO 21809-2, Annex A.8; ISO 21809-3, Annex P

Test(s):	Test Method(s):
Specular Gloss	ASTM D523
Film Thickness	ASTM D7091; ISO 21809-1, Annex A; ISO 21809-3, Annex B





Accredited Laboratory

A2LA has accredited

A PLUS COATING SOLUTIONS INC.

Calgary, AB, Canada

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 11th day of August 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5010.01
Valid to September 30, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.