TEST RESULTS and REPORT

for

Performance Coatings International

931E1-F

by

COLTS | Laboratories™

Precision Testing. Definitive Results.

COLTS Laboratories maintains A2LA accreditation to ISO/IEC 17025 for the tests listed on Certificate # 1612.01.
Any tests not included on this certificate have been identified on the appropriate test result page.

Also Certified for testing by the Safety Equipment Institute

Z-PCI082421-02

- Unless otherwise stated, results in this report apply only to the samples tested and not to lots from which they were taken.
- This report shall not be reproduced, except in full, without written approval from COLTS Laboratories.
- Unless otherwise requested, test samples will be discarded 21 days from the report date.
- Decision Rule: COLTS makes all statements of conformity (Pass/Fail) based on actual values reported, unless otherwise stated.

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PRODUCT RESULTS SUMMARY

A2LA Accredited Certificate # 1612.01

Performance Coatings International
Z-PCI082421-02-01

COLTS Project ID	Test/Models(s)	Results Pass / Fail	Reason	Page
Z-PCI082421-02-01	EN 166:2001 7.3.2 Resistance to Fogging of Oculars (N) 931E1-F (RJ6-77)	Pass		1

Report Date: 09/10/2021

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Report Summary

A2LA Accredited Certificate # 1612.01

Report To:
Performance Coatings International
600 S. Murray St
Bangor, PA 18013

Attn: Rick Longo
Date: September 10, 2021
Product Description: RJ6-77

Project
of Model(s): 931E1-F
Report of: EN 166:2001
Project ID(s): Z-PCI082421-02-01

On August 24, 2021, COLTS Laboratories received Flat plaques: 931E1-F from Performance Coatings International . From August 25, 2021 through September 10, 2021 COLTS Laboratories tested these Flat plaques in accordance with EN 166:2001 to the following test protocol: EN 166:2001 7.3.2 Resistance to Fogging of Oculars (N).

Detailed test results are included.

Final Conclusion:
The Flat plaques: 931E1-F (RJ6-77) do comply with EN 166:2001 for the test(s) included in this report.

Please contact us should you have any questions concerning this report.

Respectfully submitted,
COLTS Laboratories

Daryl Neely
Vice-President of Operations

Dale Payne
Technical Services Manager

Report To: Performance Coatings International
Project No: Z-PCI082421-02-01

COLTS™ Laboratories

Sample ID:
931E1-F
RJ6-77

A2LA Accredited Certificate # 1612.01

Report Date: 9/10/2021

Lab Temp (C): 23
Lab Rh: 49

Report of: EN 166:2001

Test/Property	Paragraph	Requirement	Test Results	Acceptance
Resistance to fogging of oculars	7.3.2	If oculars are described as resistant to fogging they shall remain free from fogging for a minimum of 8 s. Free from fogging is defined as 80% transmittance or more at 8 sec, in accordance with clause 16 of EN 168:2001.		
		Sample 37	Acceptable	Pass
		Initial Lux	8.13	Information Only
		Lux after 8 Sec.	7.35	Information Only
		% Transmittance at 8 sec.	95.08%	Pass
		Time to 80% Transmittance	11 sec.	Information Only
		Sample 38	Acceptable	Pass
		Initial Lux	9.06	Information Only
		Lux after 8 Sec.	6.78	Information Only
		% Transmittance at 8 sec.	86.51%	Pass
		Time to 80% Transmittance	10 sec.	Information Only
		Sample 39	Acceptable	Pass
		Initial Lux	9.00	Information Only
		Lux after 8 Sec.	7.95	Information Only
		% Transmittance at 8 sec.	93.99%	Pass
		Time to 80% Transmittance	10 sec.	Information Only
		Sample 40	Acceptable	Pass
		Initial Lux	8.14	Information Only
		Lux after 8 Sec.	7.48	Information Only
		% Transmittance at 8 sec.	95.86%	Pass
		Time to 80% Transmittance	10 sec.	Information Only

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APPENDIX 1

EN 166 Measurement Uncertainty Values		
Section	**Requirement**	**Uncertainty**
6.3	Headbands – Dimensional	0.5mm
7.1.2.1	Spherical/Astigmatic Refractive Power	0.007D
7.1.2.1	Prismatic Power	0.05Δ
7.1.2.2.1	Transmittance - Oculars without filtering action	0.41%
7.1.2.2.2	Transmittance - Oculars with filtering action	
	85% - 8.5%	0.41%
	8.5 – 3.16%	0.0018287%
	3.16 – 1.18%	0.0003283%
	1.18 – 0.44%	0.0003605%
	0.44 – 0.164%	0.0000961%
	0.164 – 0.061%	0.0001944%
	0.061 – 0.023%	0.0000459%
	0.023 – 0.0085%	0.0000706%
	0.0085 – 0.0032%	0.0000068%
	0.0032 – 0.0012%	0.0000055%
	0.0012 – 0.00044%	0.0000028%
	0.00044 – 0.00027%	0.0000017%
	UV	0.00006%
	IR	0.01000%
7.1.2.3	Diffusion of Light	0.05
7.3.2	Resistance to fogging of Oculars	1.54%