



Test Report T7261-01-1 Issue 1
ANSI/ISEA Z87.1-2010
Optical Radiation Protector Requirements-Welding Filters (Table 6)
Elvex Corporation
Gold Coated Faceshields
07 May 2012



Certificate 1722.01

Approved by:

A handwritten signature in blue ink, appearing to read 'Keith E. Whitten'.

Keith E. Whitten
Laboratory Manager

Prepared by:

A handwritten signature in blue ink, appearing to read 'Cathy Woloszyn'.

Cathy Woloszyn
Laboratory Assistant

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- e) Test data not covered under our ISO/IEC 17025 Accreditation is uniquely identified in the test report.

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13 Trowbridge Drive
Bethel, CT 06801
USA

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Objective:

Contract testing to ANSI/ISEA Z87.1-2010 “American National Standard for Occupational and Educational Personal Eye and Face Protection Devices”.

Clause: 7.Optical Radiation Protector Requirements
-Welding Filters (Table 6)

Samples:

Gold Coated Faceshield

Part Number	Quantity	Sample ID
FS-18GL	1	1A
FS-18GL-WS5	1	1B

Date submitted: 19 April 2012

Procedures:

Testing protocols in accord with good laboratory practice were employed for all tests.

All tests were conducted in a standard laboratory atmosphere unless otherwise specified.

Samples were randomly selected from the quantity provided and tested in the as-received condition unless otherwise stated.

Testing procedures as specified within Section 9 of ANSI/ISEA Z87.1-2010 were followed unless noted in results.

Assessment Summary:

Date(s) tested: 04 May 2012

Faceshield	Welding Filter Shade Met
FS-18GL	4
FS-18GL-WS5	5

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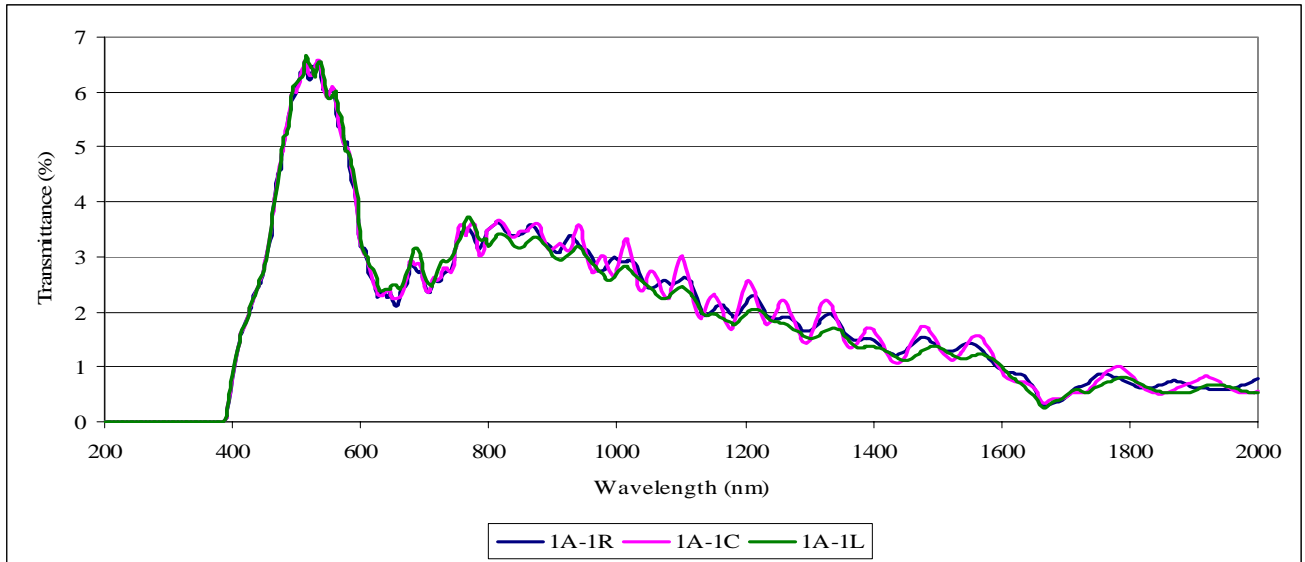
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FS-18GL Results:

7.1.2 Transmittance of Lenses; Clear and Filter Lenses – FS-18GL

-Welding Filters (Table 6)

Sample:	1A-1R	1A-1C	1A-1L	Requirement (Shade 4)	Pass	Fail
Luminous (T _L)-ILLA	4.7	4.8	4.9	3.16 to 8.50%	X	
Far-Ultraviolet (200 to 315nm)	<1.0E-5	<1.0E-5	<1.0E-5	≤ 0.04%	X	
Near-Ultraviolet (315 to 380nm)	3.0E-5	3.2E-5	3.5E-5	≤ 0.316%	X	
Infrared (780 to 2000nm)	1.9	1.9	1.8	≤ 5%	X	
Blue Light (400 to 700nm)	3.0	3.1	3.0	≤ T _L	X	



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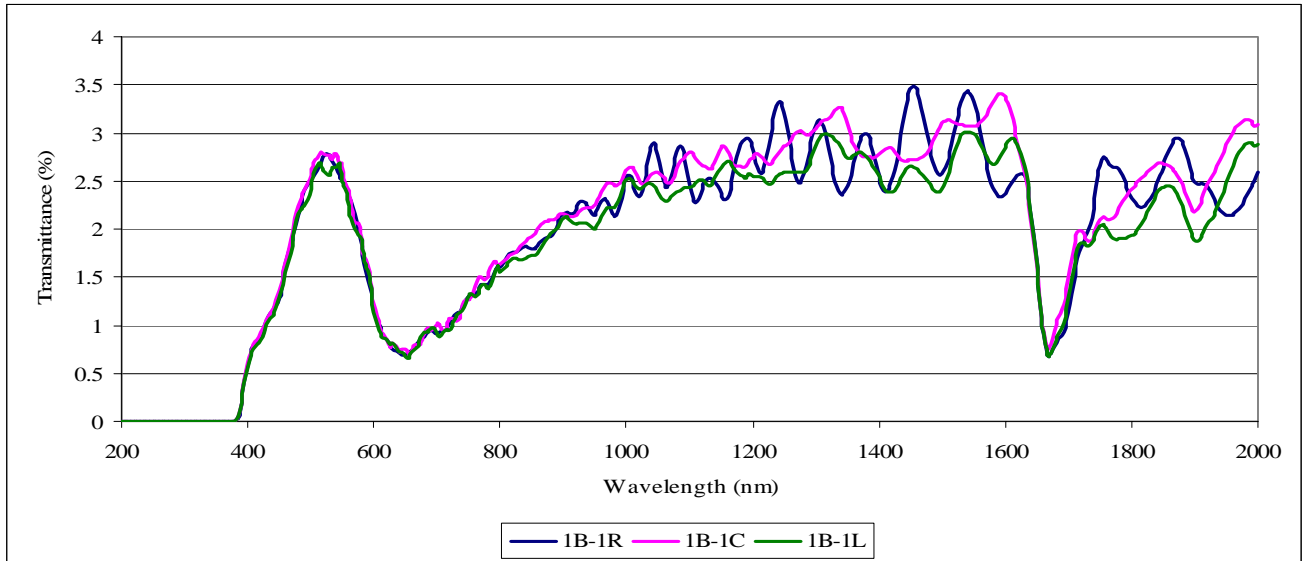
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FS-18GL-WS5 Results:

7.1.2 Transmittance of Lenses; Clear and Filter Lenses

-Welding Filters (Table 6)

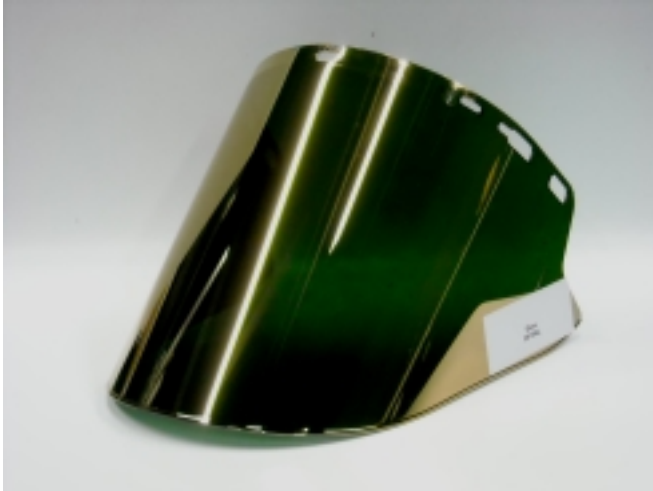
Sample:	1B-1R	1B-1C	1B-1L	Requirement (Shade 5)	Pass	Fail
Luminous (T _L)-ILLA	1.9	1.9	1.8	1.18 to 3.16%	X	
Far-Ultraviolet (200 to 315nm)	<1.0E-5	<1.0E-5	<1.0E-5	≤ 0.02%	X	
Near-Ultraviolet (315 to 380nm)	1.8E-4	2.0E-4	2.0E-4	≤ 0.118%	X	
Infrared (780 to 2000nm)	2.4	2.5	2.3	≤ 2.5%	X	
Blue Light (400 to 700nm)	1.4	1.4	1.3	≤ T _L	X	



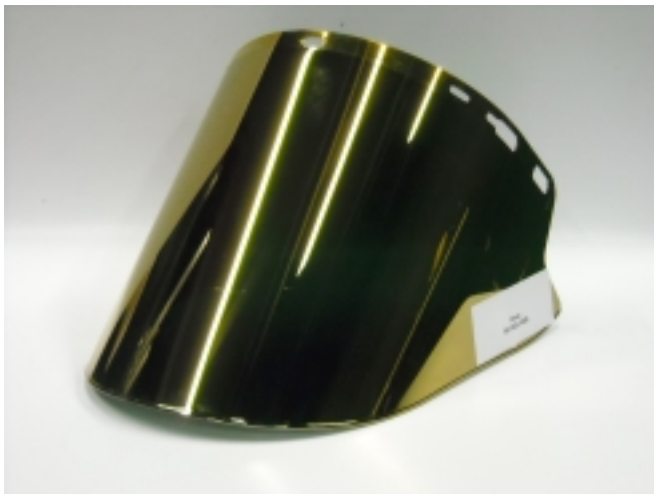
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Sample Photograph(s):



FS-18GL



FS-18GL-WS5

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14. ICS hereby objects to any conflicting terms contained in any order or acceptance submitted by Client.
15. Schedules confirmed upon acceptance of quotation. All reasonable efforts will be made to comply with conferred schedule. Guarantees are neither implied nor promised.
16. Certain work may be subcontracted to ICS authorized affiliate laboratories as required or applicable.
17. Client agrees to pay any and all additional costs associated with unexpected or above standard communications and/or consultations with client or third parties as designated by client.
18. Client agrees to pay any and all additional costs for work additional to the original scope of work as agreed to by client.
19. Client understands and agrees that ICS, in entering into this Contract and by performing services hereunder, does not assume, abridge, abrogate or undertake to discharge any duty or responsibility of Client to any other party or parties. No one other than Client shall have any right to rely on any Report or other representation of conduct of ICS and ICS disclaims any obligations of any nature whatsoever with respect to such person. **CLIENT AGREES, IN CONSIDERATION OF ICS UNDERTAKING TO PERFORM THE TEST(S) HEREUNDER, TO PROTECT, DEFEND, INDEMNIFY, SAVE HARMLESS AND EXONERATE ICS FROM ANY AND ALL CLAIMS, DAMAGES, EXPENSES EITHER DIRECT OR CONSEQUENTIAL FOR INJURIES TO PERSONS OR PROPERTY ARISING OUT OF OR IN CONSEQUENCE OF THE PERFORMANCE OF THE TESTING, INSPECTIONS AND REPORTS HEREUNDER AND/OR THE PERFORMANCE OF THE PRODUCTS TESTED OR INSPECTED HEREUNDER, UNLESS CAUSED BY THE NEGLIGENCE OF ICS.**
20. **IT IS AGREED THAT IF ICS SHOULD BE FOUND LIABLE FOR ANY LOSSES OR DAMAGES ATTRIBUTABLE TO THE SERVICES HEREUNDER IN ANY RESPECT, ITS LIABILITY SHALL IN NO EVENT EXCEED THE AMOUNT OF THE FEE PAID BY CLIENT FOR SUCH SERVICES AND CLIENT'S SOLE REMEDY AT LAW OR IN EQUITY SHALL BE THE RIGHT TO RECOVER UP TO SUCH AMOUNT.**
21. Quotations are valid for 30 days from date of issue. Terms: 30% Laboratory/Testing fees invoiced and payable upon acceptance of quotation. Remaining Laboratory/Testing fees invoiced and payable upon completion of services, 15 days net. Cancelled jobs will be invoiced for work performed and/or set-up costs incurred. Cancelled Purchase Orders are subject to 10% service charge. Shipping costs incurred by ICS will be invoiced at cost +10% handling fee. A minimum USD \$25.00 handling fee will be invoiced. Shipping costs incurred by the client will be invoiced a USD \$25.00 handling fee.
22. In the event that payment is not received within 15 days of invoice date, Client agrees to pay a late payment charge on the unpaid balance equal to 1-1/2% per month or the maximum charge allowed by law, whichever is less, and all costs and expenses, including attorney's fees where recovery of the same is not prohibited by law, incurred by ICS in collecting such invoices.
23. All costs associated with compliance with any subpoena (s) for documents, testimony in a court of law, or for any other purpose relating to work performed by ICS in connection with work performed for that Client, shall be paid by Client. Client shall also pay ICS's then existing standard fee for consulting, deposition and trial testimony and all expenses related thereto.
24. Cancelled/discontinued orders: Client responsible for all administrative and testing charges up to point of cancellation.