

# Test Report

**No. 1379-PZA-23**  
Rev. 1

Contact person: Oliver Steinbrich

phone: +49 911 655-3026  
fax: +49 911 655-3033  
e-mail: oliver.steinbrich@dincertco.deAccredited by the Deutsche  
Akkreditierungsstelle GmbH (DAkkS)  
D-PL-11125-01

---

**Customer****WELDAS Europe B.V.**  
**Blankenweg 18**  
**4612 RC BERGEN OP ZOOM**  
**NETHERLANDS**

---

<b>Test report contains</b>	Main part and 2 annexes
<b>Number of pages</b>	8
<b>Product</b>	Transparent welding curtains, screens and strips
<b>Arrival of samples</b>	2023-10-12
<b>Period of testing</b>	2024-01-08 to 2024-04-09
<b>Test specifications</b>	DIN EN ISO 25980 : 2023-08
<b>Remarks</b>	None

This test report relates to the mentioned test samples. Without the permission of the DIN CERTCO test centre Nürnberg this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any certification mark.

Nürnberg, 2024-06-27

Compiled by:

Oliver Steinbrich, M. Sc.  
- Test Engineer -

Reviewed by:

René Jäger  
- Test Engineer -

## Test objects, tests and results

Based on the tables as written in the standard DIN EN ISO 25980, the main part assigns the test samples to the named tests. Each individual test result is documented in the annexes according to the named standards.

### Signs and symbols:

- + meet the requirements
- **do not meet the requirements**
- / not tested or not applicable
- Ab interruption of the testing sequence

The uncertainty of optical measurements corresponds to the required one in ISO 18526-2.

Unless stated otherwise, the measurements were carried out in the main viewing point of the samples and, in the case of lenses with corrective power, at the applicable reference point.

Detailed information about the measurement uncertainties are included in the separate document – overview of measurement uncertainties.pdf.

### **Note:**

Changes in the test report from “1379-PZA-23 Rev.0” to “1379-PZA-23 Rev.1”:

- The colour was changed from “Red” to “Dark green” for model “55-7166, 55-7168, 55-7218, 55-7166/MTR, 55-7166/Strip, 55-7166/Eco-screen” and from “Dark green” to “Red” for model “55-6166, 55-6168, 55-6218, 55-6166/MTR, 55-6166/Strip, 55-6166/Eco-screen”.



## Samples and summary of all test results

Type:	Transparent welding curtains, screens and strips, type "55-7166, 55-7168, 55-7218, 55-7166/MTR, 55-7166/Strip, 55-7166/Eco-screen"					
Test mark:	13791-PZA-23					
Number of delivered parts: 4 m <sup>2</sup>			Number of test samples: 9			
Test sequence	Requirements	According to		According to		Samples 3379-1 to 3379-9
		DIN EN ISO	Clause	DIN EN ISO	Clause	
1	Information for user	25980	7	25980	7	+
2	Marking	25980	6	18526-3	8	+
3	Luminous transmittance	25980	4.1.4	25980	5.1.4	+
				18526-3	6	
4	Effective ultraviolet transmittance	25980	4.1.2	25980	5.1.2	+
				18526-3	6	
5	Effective blue-light transmittance	25980	4.1.3	25980	5.1.3	+
				18526-3	6	
6	Resistance to ultraviolet radiation	25980	4.2	18526-3	6.8.3	+
				25980	5.2	
7	Resistance to flame spread	25980	4.3	25980	5.3	+
8	Seam and eyelet strength	25980	4.4	25980	5.4	+
Individual results of each test sample see annex 1						

## Marking:

	<p>WELDAS® LAVAshield® CE          DIN EN ISO 25980:2023          55-6166          Fits within frame: 1.8 x 1.8m          MM/YYYY www.weldas.com          Blankenweg 18, NL-4612 RC Bergen op Zoom</p>
--	--

Type:	Transparent welding curtains, screens and strips, type "55-6166, 55-6168, 55-6218, 55-6166/MTR, 55-6166/Strip, 55-6166/Eco-screen"					
Test mark:	13792-PZA-23					
Number of delivered parts: 4 m <sup>2</sup>			Number of test samples: 9			
Test sequence	Requirements	According to		According to		Samples 3379-10 to 3379-18
		DIN EN ISO	Clause	DIN EN ISO	Clause	
1	Information for user	25980	7	25980	7	+
2	Marking	25980	6	18526-3	8	+
3	Luminous transmittance	25980	4.1.4	25980	5.1.4	+
				18526-3	6	
4	Effective ultraviolet transmittance	25980	4.1.2	25980	5.1.2	+
				18526-3	6	
5	Effective blue-light transmittance	25980	4.1.3	25980	5.1.3	+
				18526-3	6	
6	Resistance to ultraviolet radiation	25980	4.2	18526-3	6.8.3	+
				25980	5.2	
7	Resistance to flame spread	25980	4.3	25980	5.3	+
8	Seam and eyelet strength	25980	4.4	25980	5.4	+
Individual results of each test sample see annex 2						

## Marking:

	<p>WELDAS® LAVAshield® CE          DIN EN ISO 25980:2023          55-6166          Fits within frame: 1.8 x 1.8m          MM/YYYY www.weldas.com          Blankenweg 18, NL-4612 RC Bergen op Zoom</p>
--	--

## ANNEX 1

Type:	Transparent welding curtains, screens and strips, type "55-7166, 55-7168, 55-7218, 55-7166/MTR, 55-7166/Strip, 55-7166/Eco-screen"
Test mark:	13791-PZA-23

### Description of the type

Condition of the test item at delivery:	Undamaged	
Description:	Material:	Plastics Both sided shiny
	Colour:	Dark green
	Centre thickness:	0.4 mm
	Information:	Available and complete
Marking:	The marking is clear, durable and at least 10 mm high.	
Test device for centre thickness: No. 9022813		

### Transmittance

Test ↓	Sample →	3379-1	3379-2	3379-3
Luminous transmittance based on CIE source D65 $\tau_{v1}$	%	0.6	0.6	0.6
Effective ultraviolet transmittance $\tau_{UV}$ $200 \text{ nm} \leq \lambda \leq 400 \text{ nm}$	%	< 0.002	< 0.002	< 0.002
Effective blue-light transmittance $\tau_B$ $300 \text{ nm} < \lambda \leq 700 \text{ nm}$	%	< 1	< 1	< 1
Grade		Extra dark	Extra dark	Extra dark
Test device for transmittance: No. 9022782				

Type:	Transparent welding curtains, screens and strips, type "55-7166, 55-7168, 55-7218, 55-7166/MTR, 55-7166/Strip, 55-7166/Eco-screen"
Test mark:	13791-PZA-23

## Resistance to UV radiation

Test ↓	Sample →	3379-1	3379-2	3379-3
Luminous transmittance based on CIE source D65 after UV irradiation $\tau_{v2}$	%	0.6	0.6	0.6
Relative change of luminous transmittance $\Delta\tau_v / \tau_{v1} * 100$	%	19.5	16.8	14.7
Effective ultraviolet transmittance $\tau_{UV}$ $200 \text{ nm} \leq \lambda \leq 400 \text{ nm}$	%	< 0.002	< 0.002	< 0.002
Effective blue-light transmittance $\tau_B$ $300 \text{ nm} < \lambda \leq 700 \text{ nm}$	%	< 1	< 1	< 1
Test device for transmittance: No. 9022782 Test device for UV radiation: No. 9022802				

## Resistance to flame spread

Test ↓	Sample →	3379-4	3379-5	3379-6
Flame did not reach the test line		+	+	+
Flame automatically went out		+	+	+
Glowing time after removal of the burner	s	0	0	0
Test device for resistance to ignition: No. 9022754 + No. 9022812				

## Seam and eyelet strength

Test ↓	Sample →	3379-7	3379-8	3379-9
Eyelet strength (Specimen 3)		+	+	+
Test device for eyelet strength: No. 9022892 + No. 9022812				

## ANNEX 2

Type:	Transparent welding curtains, screens and strips, type "55-6166, 55-6168, 55-6218, 55-6166/MTR, 55-6166/Strip, 55-6166/Eco-screen"
Test mark:	13792-PZA-23

### Description of the type

Condition of the test item at delivery:	Undamaged	
Description:	Material:	Plastics Both sided shiny
	Colour:	Red
	Centre thickness:	0.3 mm
	Information:	Available and complete
Marking:	The marking is clear, durable and at least 10 mm high.	
Test device for centre thickness: No. 9022813		

### Transmittance

Test ↓	Sample →	3379-10	3379-11	3379-12
Luminous transmittance based on CIE source D65 $\tau_{v1}$	%	1.9	1.9	1.9
Effective ultraviolet transmittance $\tau_{UV}$ $200 \text{ nm} \leq \lambda \leq 400 \text{ nm}$	%	< 0.002	< 0.002	< 0.002
Effective blue-light transmittance $\tau_B$ $300 \text{ nm} < \lambda \leq 700 \text{ nm}$	%	< 1	< 1	< 1
Grade		Dark	Dark	Dark
Test device for transmittance: No. 9022782				

Type:	Transparent welding curtains, screens and strips, type "55-6166, 55-6168, 55-6218, 55-6166/MTR, 55-6166/Strip, 55-6166/Eco-screen"
Test mark:	13792-PZA-23

## Resistance to UV radiation

Test ↓	Sample →	3379-10	3379-11	3379-12
Luminous transmittance based on CIE source D65 after UV irradiation $\tau_{v2}$	%	1.8	1.7	1.7
Relative change of luminous transmittance $\Delta\tau_v / \tau_{v1} * 100$	%	7.2	10.3	10.7
Effective ultraviolet transmittance $\tau_{UV}$ 200 nm $\leq \lambda \leq$ 400 nm	%	< 0.002	< 0.002	< 0.002
Effective blue-light transmittance $\tau_B$ 300 nm $< \lambda \leq$ 700 nm	%	< 1	< 1	< 1
Test device for transmittance: No. 9022782 Test device for UV radiation: No. 9022802				

## Resistance to flame spread

Test ↓	Sample →	3379-13	3379-14	3379-15
Flame did not reach the test line		+	+	+
Flame automatically went out		+	+	+
Glowing time after removal of the burner	s	0	0	0
Test device for resistance to ignition: No. 9022754 + No. 9022812				

## Seam and eyelet strength

Test ↓	Sample →	3379-16	3379-17	3379-18
Eyelet strength (Specimen 3)		+	+	+
Test device for eyelet strength: No. 9022892 + No. 9022812				

End of test report