



Institut für  
Oberflächentechnik  
GmbH

## Test Report

<b>Referred to:</b>	Quality tests acc. to Qualicoat Specifications 2024-V01
<b>Client:</b>	Compri Coating Service Everdongenlaan 5 2300 Turnhout Belgium
<b>Job number:</b>	44477_2
<b>Samples receipt:</b>	2024-01-02
<b>Start of testing:</b>	2024-01-17
<b>End of testing:</b>	2024-05-21
<b>Creation date:</b>	2024-06-05
<b>Number of pages:</b>	6 pages

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When assessing conformity in test reports, the simple acceptance rule according to ILAC G8:2019 Ch. 4.2.1 (measurement uncertainty is not considered) is applied as the decision rule, unless otherwise agreed.



Accredited by DAkkS (Deutsche Akkreditierungsstelle GmbH)  
according to German Industrial Standard DIN EN ISO/IEC 17025  
accredited test laboratory.

The accredited test methods are marked with an **asterisk \***.



## 1 Sample Details acc. to Customers Specification

<u>Label / No.:</u>	<u>Number:</u>	<u>Material / Surface:</u>
Group 1: Profiles	5 pieces	Aluminium Powder coating: Axalta AE 300C9900320 RAL 9003
Group 2: Profiles	5 pieces	Aluminium Powder coating: Axalta AE 300C9900320 RAL 9003
Group 3: Profiles	5 pieces	Aluminium Powder coating: Axalta AE 300C9900320 RAL 9003
Group 7: Profiles	5 pieces	Aluminium Powder coating: Axalta AE 300C9900320 RAL 9003

## 2 Applied Test Methods

The environmental conditions for all tests are  $23 \pm 5$  °C and  $50 \pm 25$  % relative humidity, unless otherwise stated.

<u>Test / Standard and parameters:</u>	<u>Device:</u>
Acetic acid salt spray test acc. to DIN EN ISO 9227:2023-03* – AASS acc. Qualicoat specification 2024 V01:2024-01*  Duration: 3000 h Scribe tool: 1 mm Sikkens Scribe form: X form acc. to ISO 17872	SAL 3500-FL HL (Co. Köhler) Last performance check: 37 g/m <sup>2</sup>  Target: 30-50 g/m <sup>2</sup>



### 3 Requirements and Results

#### 3.1 Acetic acid salt spray test – AASS

Requirements acc. to Qualicoat specification 2024 V01:2024-01:

- No blistering in excess of 2 (S2) according to ISO 4628-2. An infiltration of maximum 16 mm<sup>2</sup> is allowed over a scratch length of 10 cm but the length of any single infiltration shall not exceed 3 mm according to EN 12206-1.

Sample:      Duration:      Results:

Group 1 2 samples	3000 h	Degree of blistering:	0(S0)	0(S0)
		Area infiltration:	6.2 mm <sup>2</sup> / 10 cm	7.8 mm <sup>2</sup> / 10 cm
		Max. infiltration:	1.3 mm	2.0 mm
Group 2 2 samples		Degree of blistering:	0(S0)	0(S0)
		Area infiltration:	12.7 mm <sup>2</sup> / 10 cm	12.7 mm <sup>2</sup> / 10 cm
		Max. infiltration:	2.0 mm	2.5 mm
Group 3 2 samples		Degree of blistering:	0(S0)	0(S0)
		Area infiltration:	13.1 mm <sup>2</sup> / 10 cm	9.0 mm <sup>2</sup> / 10 cm
		Max. infiltration:	2.0 mm	1.2 mm
Group 7 2 samples		Degree of blistering:	0(S0)	0(S0)
		Area infiltration:	6.7 mm <sup>2</sup> / 10 cm	6.8 mm <sup>2</sup> / 10 cm
		Max. infiltration:	2.1 mm	1.6 mm



## 4 Conclusions and Evaluation

AASS-Test:

All groups fulfill the requirements acc. to Qualicoat specifications V01:2024-1.

Schwaebisch Gmuend,  
2024-06-05

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Sebastian Windhab  
Project Engineer

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Joerg Bihlmaier  
Key Account Manager

5 Photo documentation

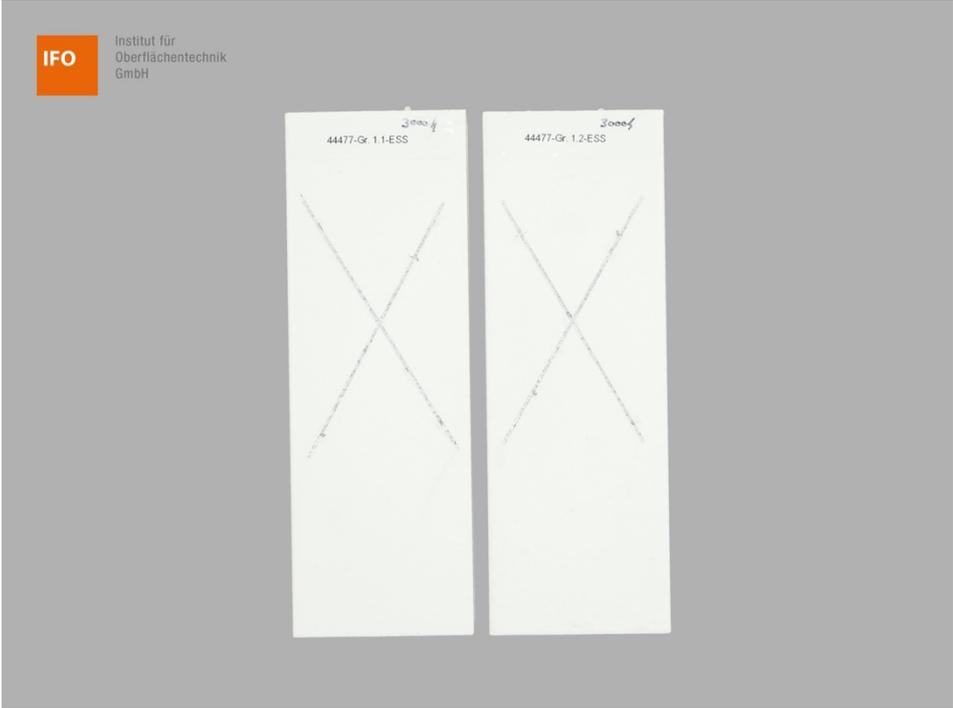


Figure 1 – Group 1 after 3000 h AASS-Test

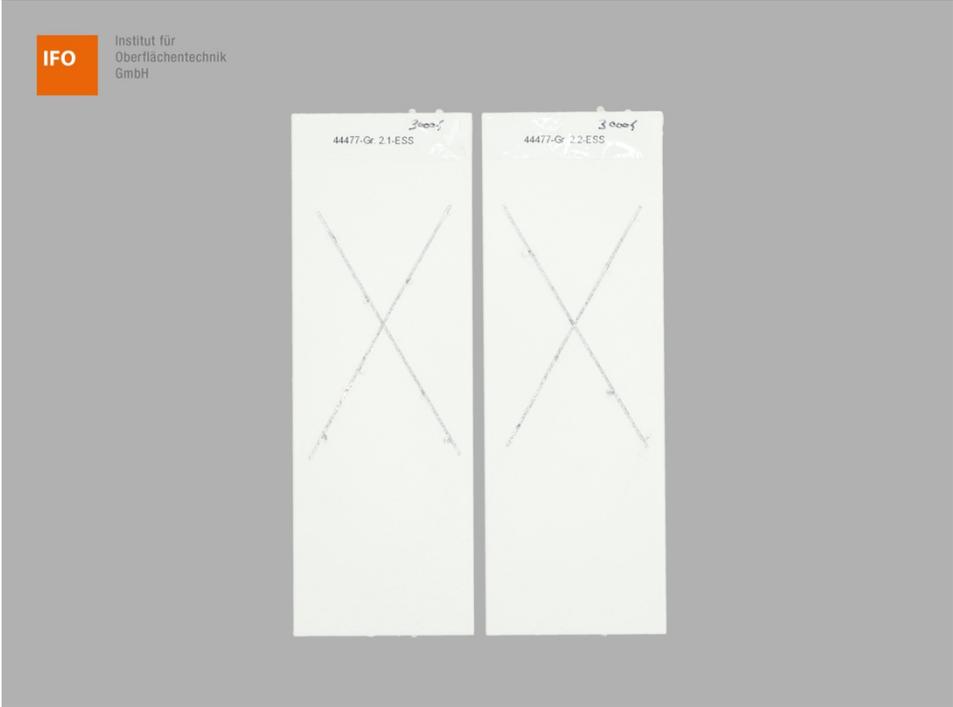


Figure 2 – Group 2 after 3000 h AASS-Test

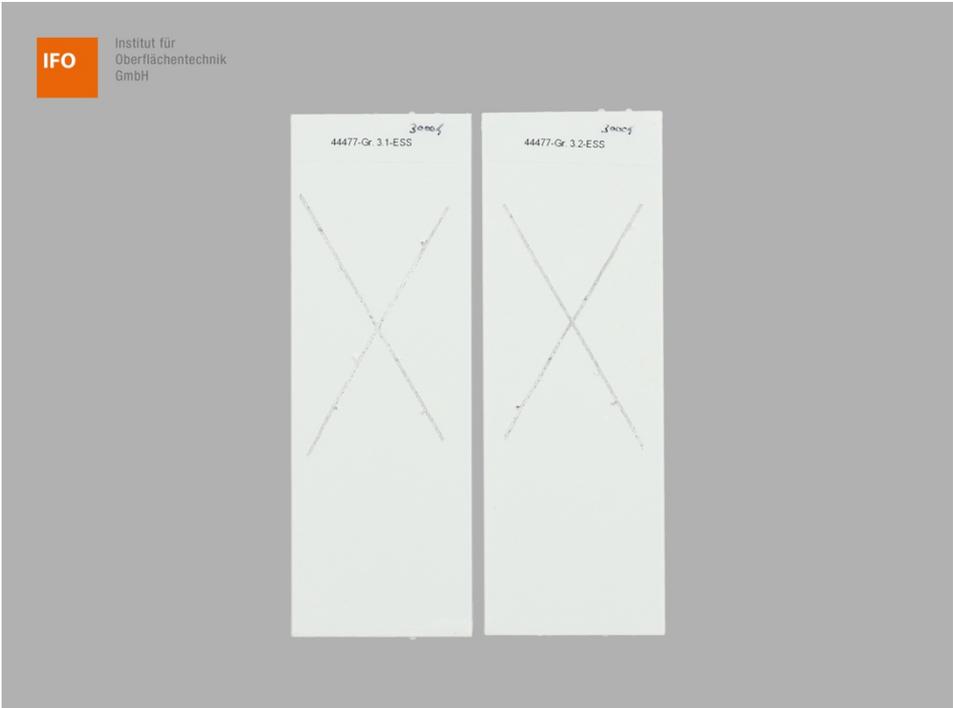


Figure 3 – Group 3 after 3000 h AASS-Test

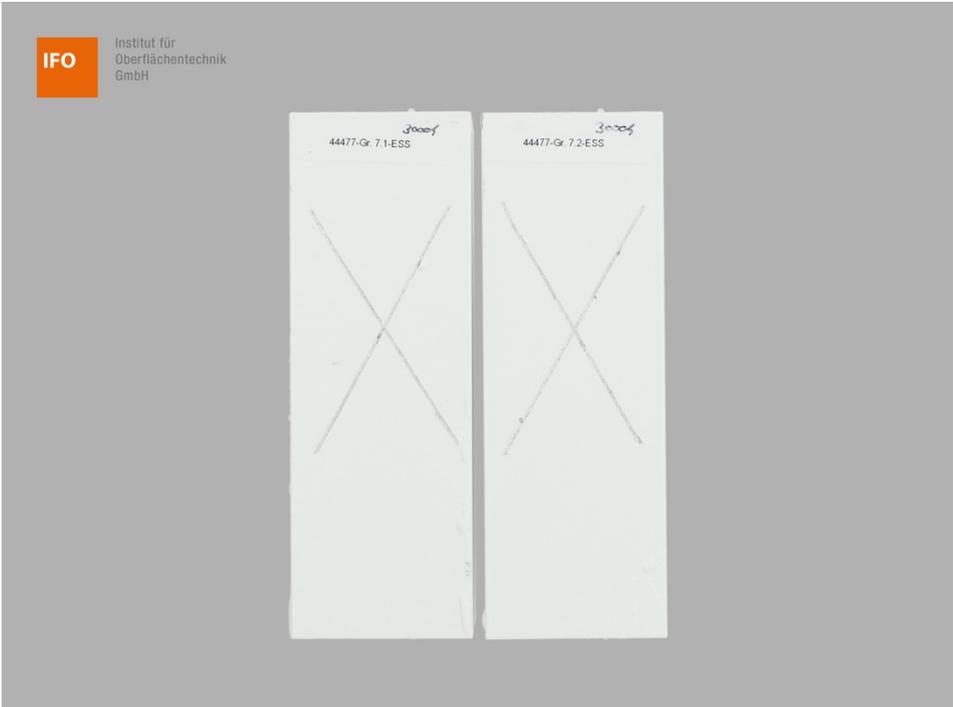


Figure 4 – Group 7 after 3000 h AASS-Test