

TEST REPORT N°128 - 25*(English version of the original "Rapporto di prova N° 128-25")***SUBJECT: TESTS RESULTS**

CLIENT	Progress Profiles S.p.a.
ADDRESS	Via Le Marze, 7 - 31011 Asolo (TV) - ITALY
CONTACT PERSON	Michele Torresan
REFERENCE	Order no. 25006756 08-05-2025
ARRIVED ON	2025-05-26
SAMPLING	By the client
WORK NO.	222-25
SAMPLES DESCRIPTION	
CLIENT DATA	N°3 sample sets, each consisting of N°3 Aluminium alloy test pieces coated with different pre-treatments in a 'Stone Line' finish. The samples as received are shown in photos 1-2-3:
	
	
	
LABORATORY REMARKS	It was agreed with the client that the side of the samples with the thickest coating would be considered the significant surface. The samples were identified with the customer's mark followed by a letter (A, B, C).

TESTS PERFORMED

It was asked to carry out the following test:

1. Measurement of coating thickness (Eddy-current method)
2. Filiform corrosion resistance test

1. MEASUREMENT OF COATING THICKNESS (EDDY-CURRENT METHOD)

OPERATOR:	N. Massara	TEST DATE:	2025-06-04
N° OF SAMPLES:	9		
TEST METHOD:	UNI EN ISO 2360:2017		
EQUIPMENT:	1. ISOSCOPE Mod. MP30	SERIAL N°:	1. SN040001705
	2. Sonda: EAW3.3		2. 1012
THICKNESS REFERENCES	160911ABG = 24,5 µm	11100600J =	74,1µm

RESULTS

SAMPLE N°	LOCAL VALUE (µm)					MEAN VALUE µm
	1	2	3	4	5	
1A	214	129	167	257	164	186
1B	175	113	150	196	138	154
1C	199	128	159	242	173	180
2A	131	170	135	161	160	151
2B	121	139	102	121	137	124
2C	122	213	178	160	229	180
3A	150	138	156	156	165	153
3B	124	99,7	83,6	155	115	115
3C	140	156	130	172	113	142

Notes

- Instrument resolution = 0,1µm for thicknesses < 100µm, 1µm for thicknesses ≥ 100µm
- Measured area: the measurements were performed on specimens with dimensions of approximately 22000 mm²
- The five readings are taken in central positions of the test surface, about 20 mm one from the other and at least 20 mm far from the edges.
- Deviations from specification: -

2. FILIFORM CORROSION RESISTANCE TEST

OPERATOR:	L. Ballauri	TEST DURATION:	1001 hours
N° OF SAMPLE:	9	TEST START:	2025-06-05
		TEST END:	2025-07-17
METHOD:	QUALICOAT Specification 2025 Vol. 0 §6.4		
EQUIPMENT:	1. Scribe tool ELCOMETER mod.1538 blade width 1mm	SERIAL N°:	1. FJ140790
	2. Weiss Technik ClimEvent C340/0 Chamber		2. 58566306190010
SAMPLES SET-UP:	On the coated surface of each sample (size approx. 220 cm ²), before the test, a T-shape scribe wide 1 mm was made to cut the coating down to the metal.		

RESULTS

SAMPLES	DEGREE OF CORROSION UNI EN ISO 4628-10:2024		EVALUATION ACCORDING TO QUALICOAT SPECIFICATION DECLARATION OF CONFORMITY ^{b)}
	PARALLEL SCRIBE MARK ^{a)}	PERPENDICULAR SCRIBE MARK ^{a)}	
1A	L0/M0	L0/M0	COMPLYING
1B	L0,5/M0	L0/M0	COMPLYING
1C	L0/M0	L0/M0	COMPLYING



Photo 1: Sample 1A



Photo 2: Sample 1B



Photo 3: Sample 1C



SAMPLES	DEGREE OF CORROSION UNI EN ISO 4628-10:2024		EVALUATION ACCORDING TO QUALICOAT SPECIFICATION DECLARATION OF CONFORMITY ^{a)}
	PARALLEL SCRIBE MARK ^{a)}	PERPENDICULAR SCRIBE MARK ^{a)}	
2A	L0,5/M0	L0/M0	COMPLYING
2B	L0,5/M0	L0/M0	COMPLYING
2C	L0/M0	L0/M0	COMPLYING



Photo 4: Sample 2A



Photo 5: Sample 2B



Photo 6: Sample 2C

3A	L0/M0	L0/M0	COMPLYING
3B	L0,5/M0	L0/M0	COMPLYING
3C	L0/M0	L0/M0	COMPLYING



Photo 7: Sample 3A



Photo 8: Sample 3B



Photo 9: Sample 3C

^{a)}with respect to extrusion direction

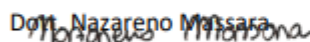
KEY	L = longest filament (mm)	M= the most frequent filament length (mm)	
TYPE OF SCRIBE	A. rectangular	EVALUATION METHOD	Regular Filiform Corrosion
b) QUALICOAT Specifications 2025 Vol.0 §6.4 - Requirements			
L (longest filament) ≤ 4 mm (≤ 2 mm preox)			
M (average length of filaments) ≤ 2 mm (≤ 1 mm preox)			
In case of declaration of conformity, the simple acceptance rule is considered where the guard band has value "zero".			

- Working Temperature : T = 23,7°C
- Sample position in chamber: horizontal
- Inspection intervals No intermediate checks were carried out.
- The visual examination of corrosion was conducted in natural light.
- Any faults and incidents: -
- Deviation (agreed) from standard: -

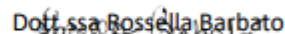
The test records are stored for 10 years from the test end date.
The samples are stored for 6 months from the test end date.

Cameri, 2025-07-23

Compiled by

Dott. Nazareno Massara


Approved by

Dott.ssa Rossella Barbato


Laboratory Technician

Laboratory Manager

STATEMENTS

- The test results refer to the sample as received from the customer. Any conditioning/treatment prior to testing is reported in the descriptive notes.
- The laboratory declines all responsibility for the information provided by the customer.
- The ACCREDIA Logo or any reference to accreditation does not imply ACCREDIA's responsibility for the test result and/or any opinion or interpretation that may be derived from it.
- This report is the English translation of the Italian version; in case of doubt, the Italian version is valid.
- Test results do not imply approval of the sample/product by either QUALITAL Servizi srl or ACCREDIA.
- This report may not be reproduced in part unless approved in writing by QUALITAL Servizi srl.
- Measurement uncertainty (available on request in applicable cases): reference is made to the calculation method of the relevant test procedure.

End of the test report