

TEST REPORT

720-hour salt mist test of ProLan Extreme 350

Denrex ApS
Report no.: 126-25380-1 Revision 1
Page 1 of 15
1 appendix



Task manager

Responsible

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OVERVIEW

Title	720-hour salt mist test of ProLan Extreme 350
Test objects	10 pcs. ProLan, Type: Extreme 350 Detailed information is given in Section 2 The test object was received 12 August 2026
Task no.	126-25380
Report no.	126-25380-1 Revision 1
Test period	12 August 2026 - 11 September 2026
Client	Denrex ApS Daniavej 60C DK-9550 Mariager Tel.: +45 24 42 81 88
Contact person	Leif Nielsen E-mail: ln@denrex.com Tel.: +45 24 42 81 88
Manufacturer	ProLan Ltd, New Zealand. EU distributor - Denrex Aps, Denmark
Specifications	IEC 60068-2-11:2021 – Environmental testing – Test Ka: Salt mist
Results	For results of the test, see Section 4
Revisions	This test report replaces previously issued test report 126-25380-1 dated 22nd of September 2026. The changes in this revision are: • Changed report title name to "720-hour salt mist test of ProLan Extreme 350" • Changed all test objects naming to ProLan Extreme 350 • Added elaborated visual inspection results to section 4.1.
Test site	Venlighedsvej 4, 2970 Hørsholm, Denmark
Test personnel	Kristian Kolbye Jensen

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1 Summary of test

1.1 Test requirements

The following test was carried out as agreed with the client.

Test	Test method
Salt mist	IEC 60068-2-11:2021

The test results relate only to the objects tested.

2 Test objects

2.1 Test objects

Name of test object	ProLan
Model / type	Extreme 350
Part no.	N/A
Serial no.	N/A, numbered 1 to 10 by Force Technology
Manufacturer	ProLan Ltd, New Zealand. EU distributor - Denrex Aps, Denmark
Comments	Test of objects for lifetime in Salt spray testing at Force Technology

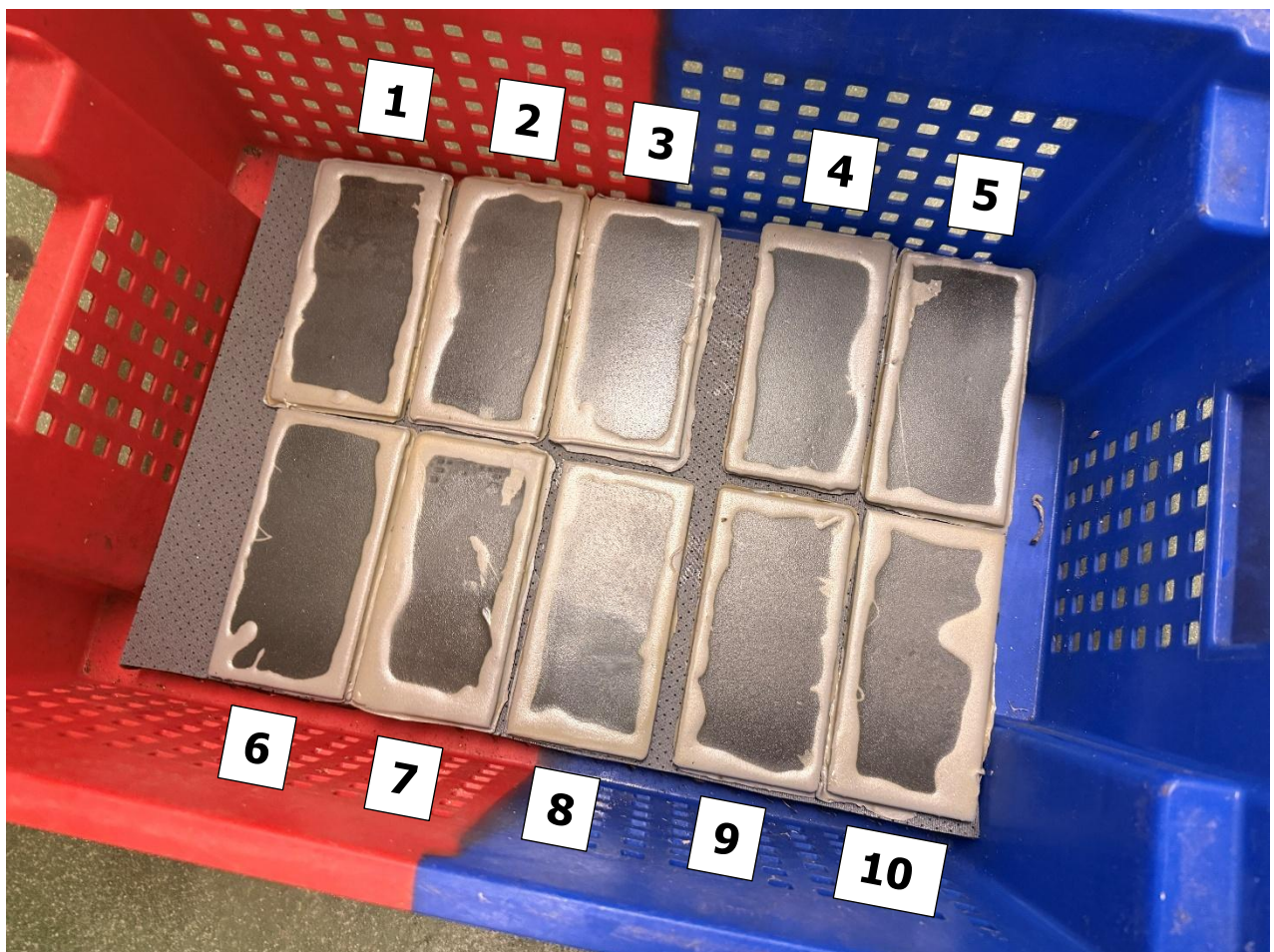


Photo 1 Test objects.

3 General test conditions

3.1 Test set-up

The test set-up is shown in Section 4.

3.2 Visual inspection

A visual was performed before and after the test. The visual inspection was carried out in accordance with the clients' instructions.

3.3 Standard environment

Normal environmental condition:

Temperature	:	15 °C - 35 °C
Humidity	:	25 %rh - 75 %rh
Air pressure	:	86 kPa - 106 kPa (860 mbar - 1060 mbar)
Power supply voltage	:	$U_{nom} \pm 3 \%$

4 Test and results

4.1 Salt mist

Test specification and Test method

IEC 60068-2-11:2021, Environmental testing Part 2: Tests – Test Ka: Salt mist

Severity

Concentration of NaCl	:	5 %
pH of salt solution	:	6.5 - 7.2
Temperature	:	+35°
Total duration	:	720 hours (30 days)

Procedure

The test objects are installed in the salt mist chamber and continuously sprayed with the salt mist solution for the period specified above.

After the finalisation of the entire exposure, a visual inspection is performed.

Only the area within the boundaries of the epoxy is inspected. The exposed edges of the plates are negated.

Results

The test was performed as specified.

The visual inspection results after the 720-hour salt mist test are seen on the photos below for each test object.

No corrosion was observed within the boundaries of the epoxy.

It was observed that the added epoxy edges could not withstand the salt mist test. This caused corrosion on the edges, which can be seen on the test plates.



Photo 2 Test set-up salt mist. Before exposure.

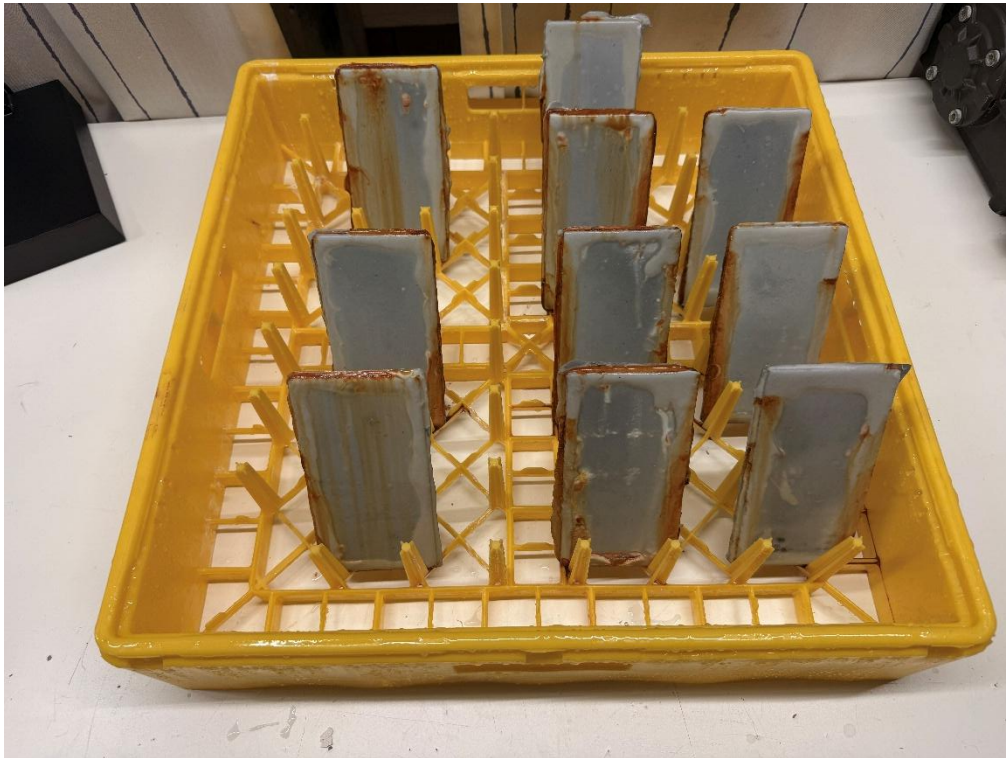


Photo 3 Test set-up salt mist. After exposure.



Photo 4 Visual inspection - ProLan Extreme 350, no. 1.

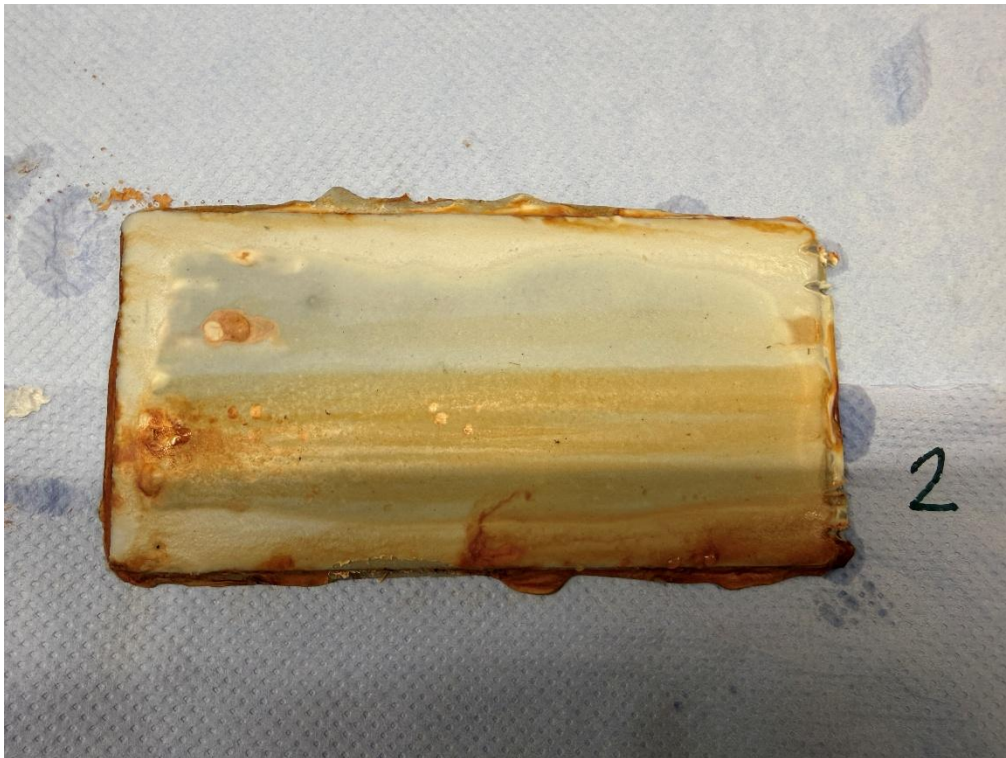


Photo 5 Visual inspection - ProLan Extreme 350, no. 2.



Photo 6 Visual inspection - ProLan Extreme 350, no. 3.

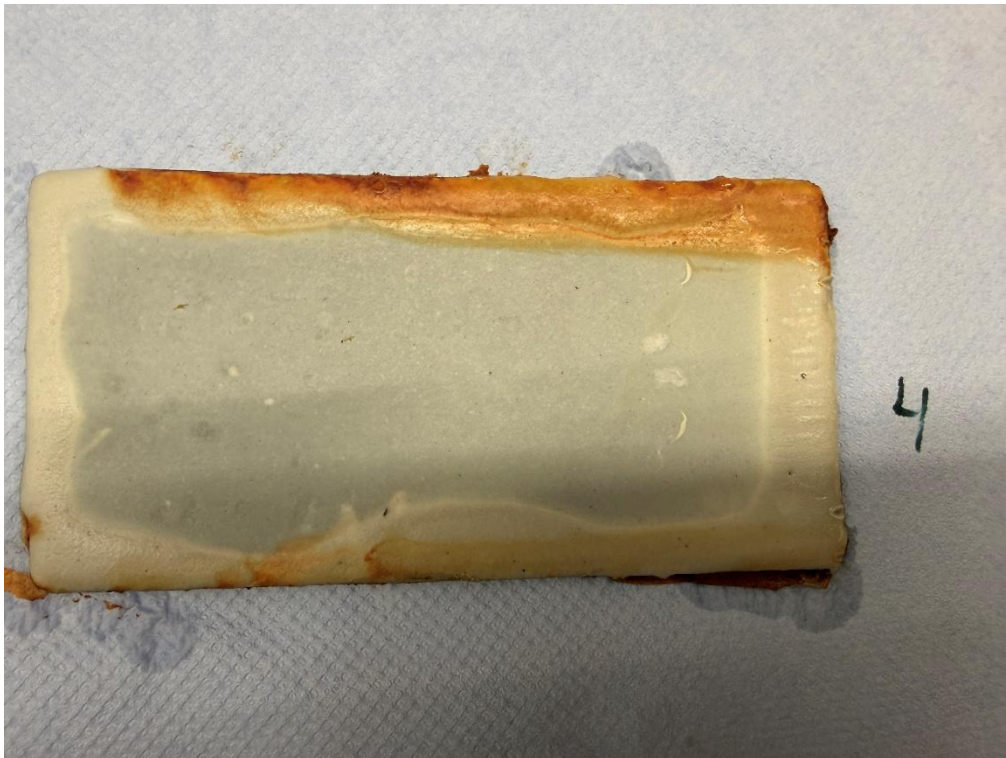


Photo 7 Visual inspection - ProLan Extreme 350, no. 4.

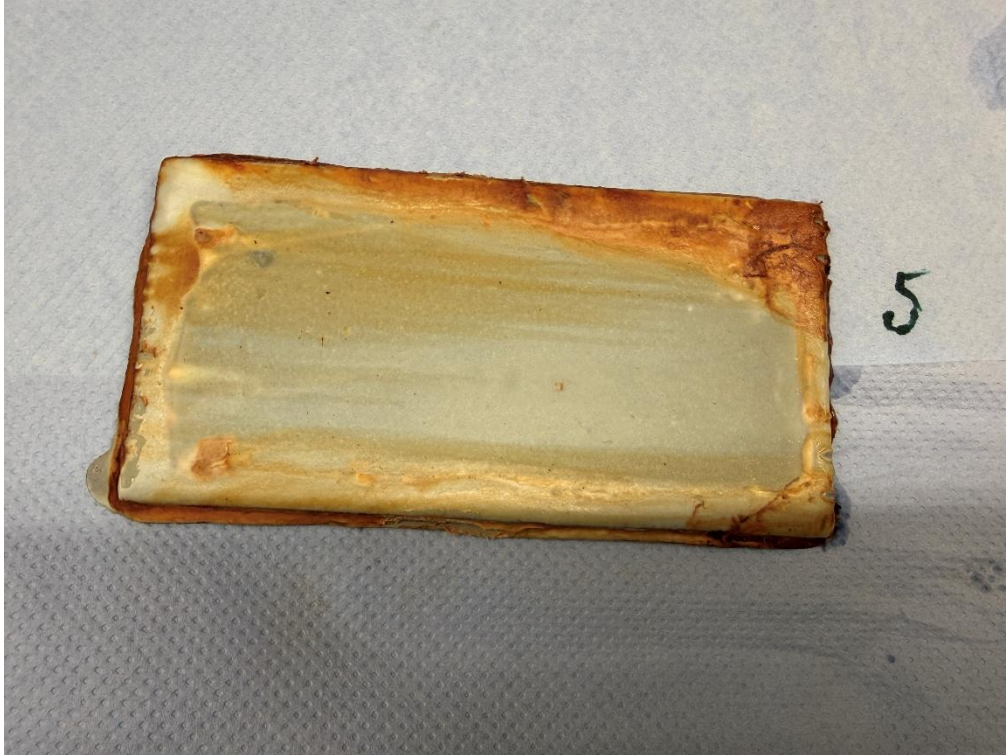


Photo 8 Visual inspection - ProLan Extreme 350, no. 5.



Photo 9 Visual inspection - ProLan Extreme 350, no. 6.

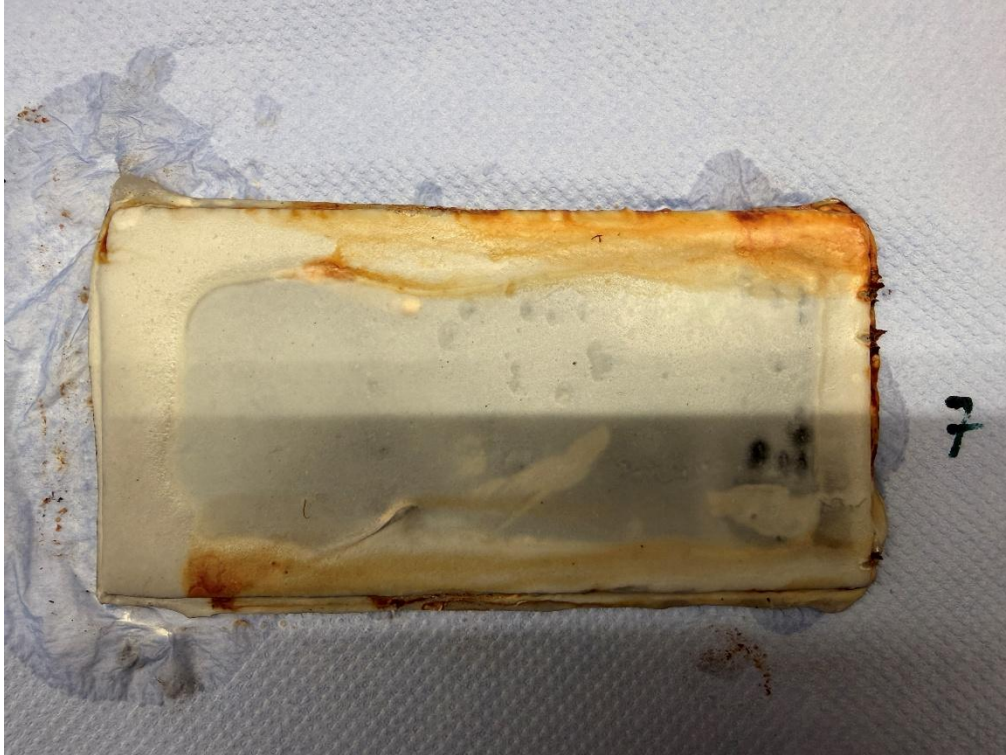


Photo 10 Visual inspection - ProLan Extreme 350, no. 7.



Photo 11 Visual inspection - ProLan Extreme 350, no. 8.



Photo 12 Visual inspection - ProLan Extreme 350, no. 9.



Photo 13 Visual inspection - ProLan Extreme 350, no. 10.

APPENDIX

Appendix 1 List of instruments

NO.	DESCRIPTION	MANUFACTURER	TYPE NO.
EVFGT-33-3	Salt Mist Chamber	Köhler Automobiltechnik	HKT 1000