



Your partner in
corrosion testing and
accelerated weathering

Laboratory report

Customer
Report nr
Drafted by
Date

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1 Introduction

To determine the corrosion resistance of a coated magnet bas Gravendeel of Mcnetiq has ordered M2LAB to perform laboratory tests.

2 Tested samples

1 magnet with blue coating

Magnet has been mounted on 4 corrosion resitant panels to minimize the magnetic field around the sample in the test chamber.



3 Performed tests

3.1 Salt spray test

Test method	NEN EN ISO 9227 NSS	
Test conditions	pH	6,5 – 7,2
	Concentration NaCL	50 g/l ± 5 g/l
	Temperature	35°C ± 2°C
	Collected fluid(80cm ²)	1.5 ml/ hour ±0.5 ml/hour
	Test duration	500 hours

4 Results

The coated surface of the tested sample doesn't show any sign of corrosion.
 The bolt on top of the sample shows corrosion of class Ri1 according to ISO 4628.



Sample after test

5 Conclusion

After 500 hours of salt spray testing

- the coated area of the tested sample doesn't show any sign of corrosion.
- the uncoated bolt shows corrosion with a severity of Ri1

6 Liability

M2LAB BV is an independent test laboratory, specialised in inspection of materials and member of NVVT (Dutch Association of Paint Technicians) and NRK (Dutch Plastics- and Rubber Industries).

M2LAB BV hereby declares to have no financial or legal interests in the outcome of the executed inspection.

The operational work has been performed with the greatest possible degree of care which also sought to maximize representativeness of the study. Observations are in many cases snapshots, making certain derogations or details might not have been noticed with the result that the conclusions of the inspection are not complete.

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