



ASBL • VZW

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MARTIN MATHYS
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Kolenbergstraat 23

3545 HALEN (ZELEM)

TEST REPORT

ES101014.a p. 1/2

IDENTIFICATION NUMBER: ES-101014.a

DATE: 29.10.2010

LABORATORY: Coatings Research Institute
Avenue P. Holoffe
1342 LIMELETTE

CUSTOMER: MARTIN MATHYS
Kolenbergstraat 23
3545 HALEN (ZELEM)

REFERENCE ORDER: Your order 6200567-000 dd. 13.07.2010

DATE OF RECEPTION OF THE SAMPLES: 12.09.2010

NUMBER OF THE DOCUMENT OF RECEPTION: ES/6952

SAMPLES: 3 steel panels of 75 x 150 mm coated by Mathys with Noxyde
References 1, 2 and 3

PERFORMED TESTS AND TESTING METHODS:

The test is realized following the standard ISO 12944-6 "Corrosion protection of steel structures by protective paint systems - Part 6: Laboratory performance test methods" for corrosion class C5 I (high)"

Determination of resistance to humid atmospheres containing sulphur dioxide

Realized according to ISO 3231 "Détermination de la résistance aux atmosphères humides contenant du dioxyde de soufre"

Quantity of SO₂: 0.2 liter

Cycles: 8 h at 40°C and 100% RH with SO₂
16 h at room temperature and < 75% RH without SO₂

Number of cycles: 30

The edges and backsides of the panels are protected with a special coating. There are no scratches made in the film.

The panels are placed vertically in the cabinet. Outside the cabinet the temperature is maintained between 18 and 28 °C and a relative humidity between 30 and 70 %.

Every 10 cycles, the test panels are evaluated visually.

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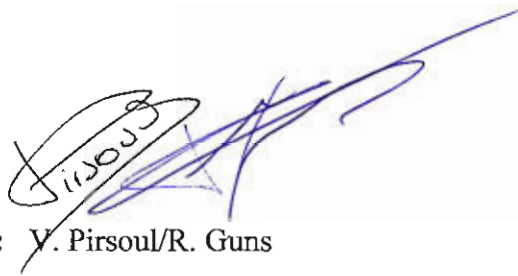
DATE OF EXECUTION OF THE TESTS: September - October 2010

RESULTS:

Exposure Time	Panel 1	Panel 2	Panel 3
10 cycles	a few discoloured stains	a few discoloured stains	a few discoloured stains
20 cycles	a few discoloured stains + 1 green stain	a few discoloured stains	unchanged (stains disappeared)
30 cycles	a few discoloured stains + a few green stains	unchanged (stains disappeared)	unchanged (stains disappeared)

Classification following ISO 4628 standards (after 30 cycles)

Panel	ISO 4628-2 (blistering)	ISO 4628-3 (rust)	ISO 4628-4 (cracking)	ISO 4628-5 (flaking)
1	0 S (0)	Ri 0	0 S (0)	0 S (0)
2	0 S (0)	Ri 0	0 S (0)	0 S (0)
3	0 S (0)	Ri 0	0 S (0)	0 S (0)



Performed by: V. Pirsoul/R. Guns



Approved by: S. Vonckx

!!!!!!! Samples will be stored at CoRI during 6 months and then removed in accordance with the waste legislation, unless you make an appeal to prolongate this period or you recall the samples yourself (on charge of the customer).

* This test report concerns only the samples subjected to these tests

* This test report can not be copied partially without the written permission of the CoRI

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ATTACHMENT TO TEST REPORTS ES100708.a and ES101014.a

We can conclude, based on the results mentioned in our test reports ES100708.a and ES101014.a, that the paint system Noxyde, applied on steel, resisting at
1440 h salt spray test according to ISO 9227 - Method NSS
720 h continuous condensation according to ISO 6270-2
30 cycles exposure to humid atmospheres containing SO₂ according to ISO 3231

fulfills the requirement for a corrosivity class **C5-I high** as defined in the standard ISO 12944.

Sophie Vonckx
Resp. Testing Dept