



Test Report No: WTH Corrosion 1

Date: 08/02/2021

Testing of: Various locking systems

Tested to: BS EN 1670:2007 Building hardware. Corrosion resistance  
Requirements and test methods

Prepared for: Nico Manufacturing Ltd

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**AUTHORISATION**

Test completed by: D.Kury  
Assisted by:  
Test witnessed by:

Report produced by: D.Kury Position: Senior Test Engineer

Signature: 

Date: 02/03/2021

For and on behalf of Nico Manufacturing Ltd Test Laboratory

Report authorised by: M. Franklin Position: Laboratory Manager

Signature: 

Date: 08/03/2021

For and on behalf of Nico Manufacturing Ltd Test Laboratory

Date of issue of report 08/03/2021

**Nico Manufacturing Ltd. Test Laboratory**

Oxford Road

Clacton-on-Sea

ESSEX

CO15 3TJ

Telephone +44 (0) 1255 422333

Fax +44 (0) 1255 432909

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**TEST REQUESTED BY**

**Origin of test request**

Company Name	Nico Manufacturing Ltd
Company Address	109 Oxford Road Clacton on Sea Essex CO15 3TJ
Contact	Ian Harrison
Contact position	Sales Director

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### DETAILS OF TEST

Test Specification	BS EN 1670:2007 Building hardware. Corrosion resistance Requirements and test methods
Date samples received	10/01/2021
Date testing started	12/01/2021
Date testing finished	01/02/2021
Job No.	WTH Corrosion 1
Any special requirements	

### DETAILS OF SAMPLES

Item Description	Part number	Finish
Nico Espagnolette	98822S5	Supercoat 500
Nico Multilock Security Espagnolette	918822S5	Supercoat 500
Nico Security Espagnolette	92751S5	Supercoat 500
Nico RAM Bolt Bi-directional Security Espagnolette	958822S5	Supercoat 500
Nico Retractable Espagnolette	967420	Supercoat 500
Nico Telescopic Shootbolt	9786822	Supercoat 500

The results contained in this test report relate only to the particular sample/s tested and to the specific tests carried out as detailed within this report.



**Samples pre-test**





**Samples at 240hrs**





**Samples at 480hrs**







**TEST RESULT**

BS EN 1670:2007	Requirement	Test results
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**Nico Espagnolette**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Some black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	None	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	

**Nico Multilock Security Espagnolette**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Significant black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	None	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	

**Nico Security Espagnolette**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Some black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	No	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	



**TEST RESULT**

BS EN 1670:2007	Requirement	Test results
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**Nico RAM Bolt Bi-directional Security Espagnolette**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Significant black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	None	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	

**Nico Retractable Espagnolette**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Some black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	None	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	

**Nico Telescopic Shootbolt**

<b>Neutral salt spray exposure</b>	Exposure time	480hrs	Pass
	Condition after test	Significant black staining, build up of salt residue around casing	
	Operates satisfactorily	Yes	
	No tarnishing of uncoated surfaces	None	
	No more than 1 spot per 650mm <sup>2</sup> of area on coated surfaces	None	