

PaddockTM Innovators in hardware



Testing of:
Euro Cylinders

To the requirements of:
BS EN 1670:2007

Prepared for:
Technical Department
Paddock Fabrications Ltd
Fryers Road
Bloxwich
Walsall
WS2 7LZ

Date:
05/11/09

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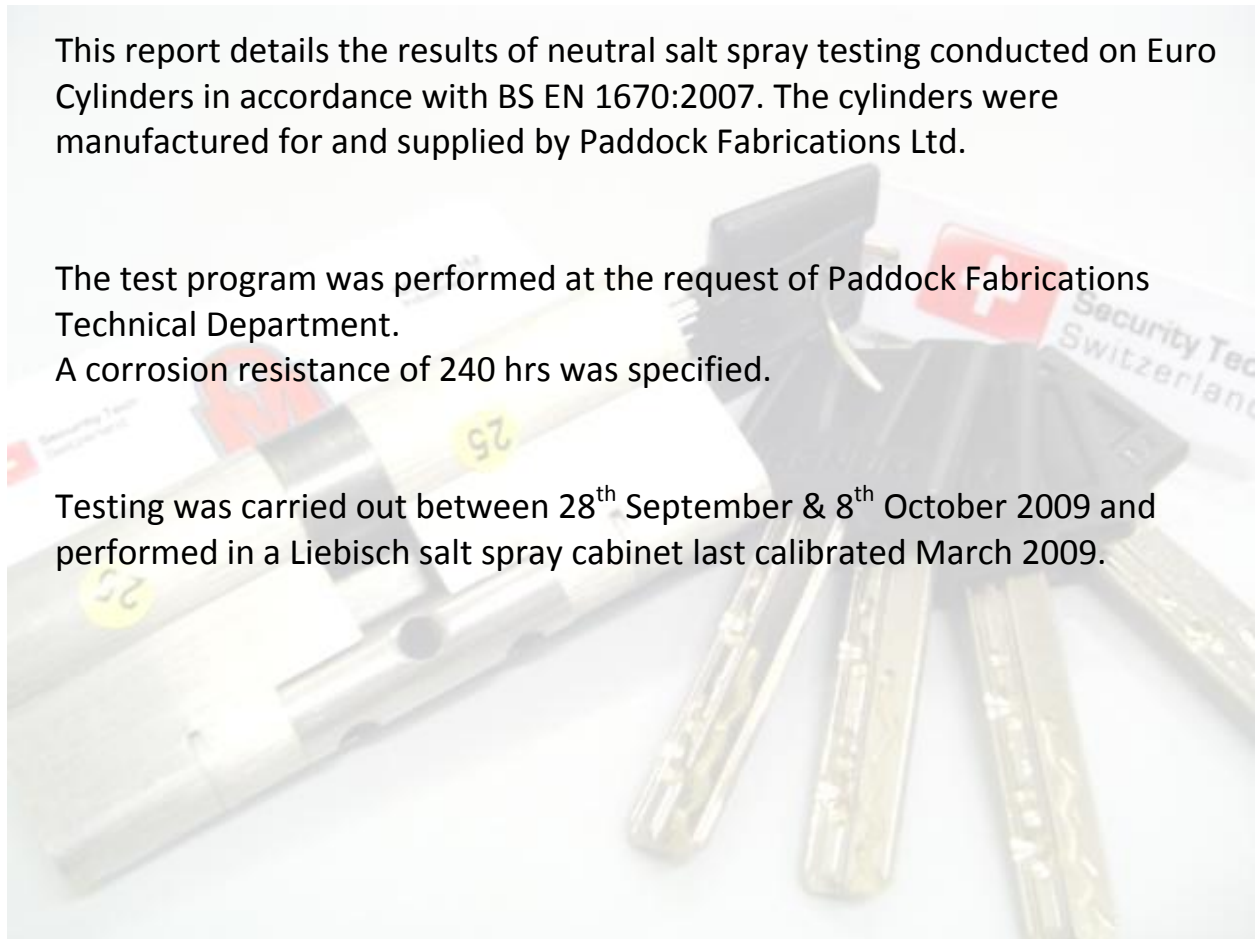
1 Introduction

This report details the results of neutral salt spray testing conducted on Euro Cylinders in accordance with BS EN 1670:2007. The cylinders were manufactured for and supplied by Paddock Fabrications Ltd.

The test program was performed at the request of Paddock Fabrications Technical Department.

A corrosion resistance of 240 hrs was specified.

Testing was carried out between 28th September & 8th October 2009 and performed in a Liebisch salt spray cabinet last calibrated March 2009.



2 Test Details

Client Details

| | |
|--------------|--------------------------|
| Company Name | Technical Department |
| Address | Paddock Fabrications Ltd |
| | Fryers Road |
| | Bloxwich |
| | Walsall |
| | WS2 7LZ |

Contact

Stuart Carpenter

Sample Details

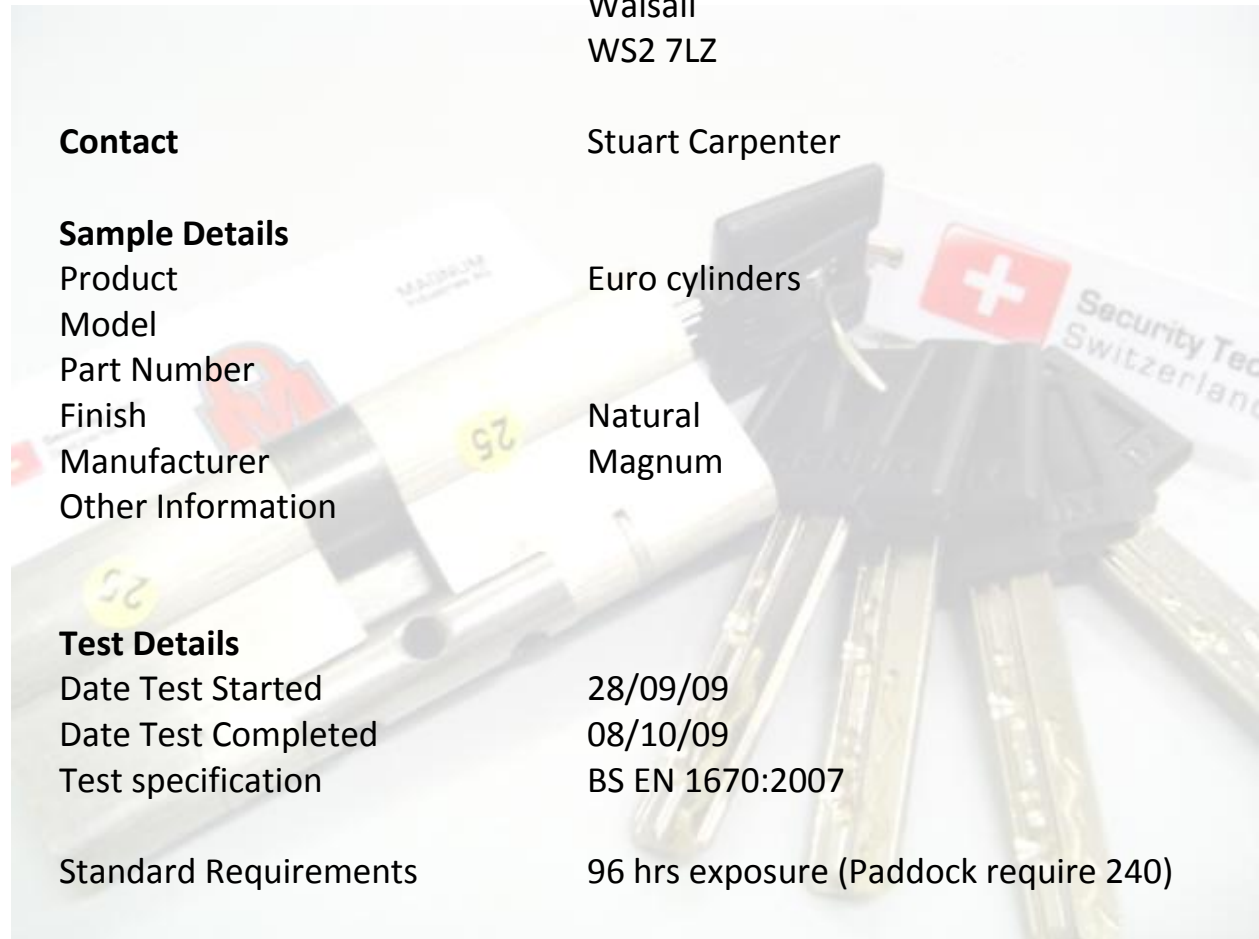
| | |
|-------------------|----------------|
| Product | Euro cylinders |
| Model | |
| Part Number | |
| Finish | Natural |
| Manufacturer | Magnum |
| Other Information | |

Test Details

| | |
|-----------------------|---------------------------------------|
| Date Test Started | 28/09/09 |
| Date Test Completed | 08/10/09 |
| Test specification | BS EN 1670:2007 |
| Standard Requirements | 96 hrs exposure (Paddock require 240) |

Test Conducted By

Rob Goodwin



3 Test Results

Chamber Details.

| | Required Level | Recorded Level |
|--|----------------|----------------|
| Air Pressure | 17 PSI | 17 PSI |
| Chamber Temperature | 35°C | 35°C |
| Salt Solution Flow Rate | 0.4 | 0.4 |
| Test Duration | 240 hrs | 240 hrs |
| Solution collection Quantity in Cylinder 1 | >30ml <40ml | 35ml |
| Solution collection Quantity in Cylinder 2 | >30ml <40ml | 35ml |
| Collection rate in Cylinder 1 | >1 <2 ml/hr | 1.5 ml/hr |
| Collection rate in Cylinder 2 | >1 <2 ml/hr | 1.5 ml/hr |
| Solution PH | 6.5 <PH> 7.2 | 6.8 |

Product Details

| Product Description | Exposure Time |
|---------------------|---------------|
| Euro Cylinder | 240 hrs |

Observations during Test

Although stiff to operate after 192 hrs exposure, at the conclusion of this test the cylinder functioned normally.

4 Conclusions

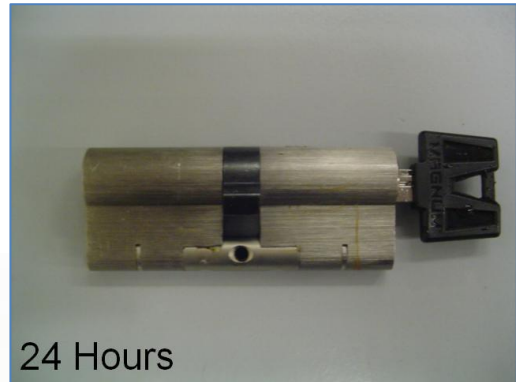
| Product | BS EN 1670 Exposure Class | Results |
|---------------|-----------------------------|--------------|
| Euro Cylinder | Achieved 240 hours exposure | PASS Grade 4 |

5 Photographs

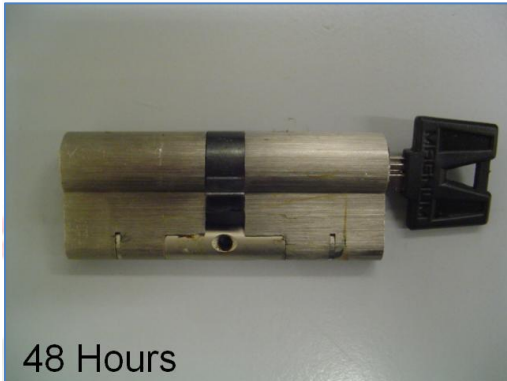
Cylinder Before Testing



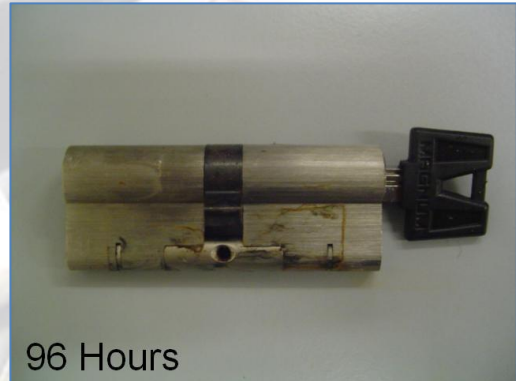
After 24 hrs exposure



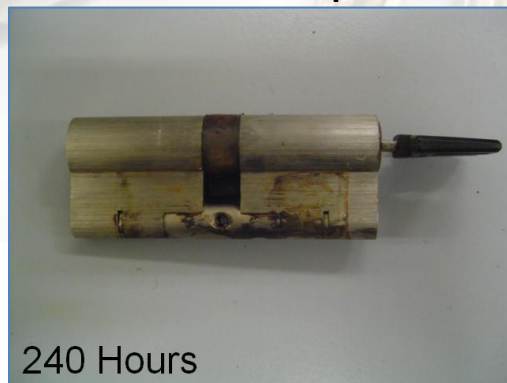
After 48 hrs exposure



After 96 hrs exposure



After 240 hrs exposure



End of Report