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COMMERCIAL IN CONFIDENCE

Environmental Test Report No : ENV1878

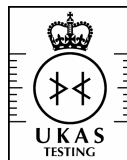
Date : 21 July 2008

Cooper Fulleon Limited

*This report shall not be reproduced, except in full,
without the written approval of the testing laboratory*

*All tests performed in this report are within the parameters defined in our
UKAS Schedule of Accreditation 0042 (latest issue)*

The results contained in this report relate only to the samples submitted



0042

Environmental Test Report Contents

Cooper Fulleon Limited

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Report Distribution :

Copy 1	:	Philip Williams Cooper Fulleon Limited
Copy 2	:	Abtest File

Test Authority

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Abtest Limited

Test Required By : Cooper Fulleon Limited  
Llantarnum Park,  
Cwmbran,  
Newport,  
NP44 3AW

Customer's Order No : 4501578269

Description Of Components : Solex 3 and Roshni Sounders

Date Test Received : 3 July 2008

Quantity To Test : 1 of each type

Sample Numbers : Roshni # 7: Solex not marked

Date Test Commenced : 7 July 2008

Date Test Completed : 11 July 2008

Test Result : Pass

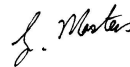
This is to certify that all tests have been carried out in accordance with the quoted order/specification, test programme and the results have been accurately recorded in Test Report No : ENV1878

Given under my authority under Approval Number : UKAS 0042

Test Performed By :

.....  
A Davies (Test Technician)

Report Approved By :

.....  
G L Masters (Technical Manager)

**Customer :** Cooper Fulleon Limited**Component :** Solex 3 and Roshni Sounders**Test Report No :** ENV1878

One Roshni and One Solex 3 sample was submitted to the Test House for testing as per customers instructions

**Sample Identification**

**Part Number** : Not Applicable  
**Quantity** : 1 of each type  
**Sample Numbers** : One Roshni sample mark # 7 and one Solex (not marked)

**Test Applied**

**Test** : ***Water Ingress Test (IPx4)***  
**Test Specification** : BS EN 60529: 1991  
**Test Conditions** : Apply an Oscillating tube at 0.07 litres per minute  $\pm$  5% per hole multiplied by number of holes 37. Spray  $\pm$ 180° from vertical.  
**Test Duration** : 10 minutes in total : 5 minutes one way, then move sample 90° for a further 5 minutes

**Test Comments**

No apparent sign of water ingress through the top of samples  
Samples were mounted as if they would be in wall mounted position as customers instructions.

**Test Result**

Pass

**Customer :** Cooper Fulleon Limited**Component :** Solex 3 and Roshni Sounders**Test Report No :** ENV1878**Test Applied****Test :** *Dust Ingress Test (IP5x)***Test Specification :** BS EN 60529: 1991**Test Conditions :** Tested in accordance with the above specification  
An application of 2kg/m<sup>3</sup> of talcum powder in suspension.**Test Duration :** 8 Hours**Test Comments**

Samples were mounted as if they would be in wall mounted position as customers instructions.  
No evidence of dust ingress found inside of Roshni sample  
No evidence of dust ingress found inside of Solex sample.

**Test Result**

Pass

**Customer : Cooper Fulleon Limited****Component : Solex 3 and Roshni Sounders****Test Report No : ENV1878****TEST EQUIPMENT & MEASURING ACCURACY**

| <u>Equipment<br/>Description</u> | <u>Manufacturer</u> | <u>Calibration<br/>Number</u> | <u>Next<br/>Calibration Date</u> |
|----------------------------------|---------------------|-------------------------------|----------------------------------|
| Dust chamber                     | ACE                 | 0/452                         | Calibrate when used              |
| Thermocouple                     | RS                  | 0/620                         | Jan 09                           |
| Thermometer                      | Portec              | 0/051                         | Jan 09                           |
| Count-down timer                 | RS                  | 0/575                         | Apr 09                           |
| IPx4 Oscillating tube            | Abtest              | 0/442                         | Calibrate when used              |

**CERTIFICATE OF CONFORMITY**

Dust : Talcum powder Batch Number 4770

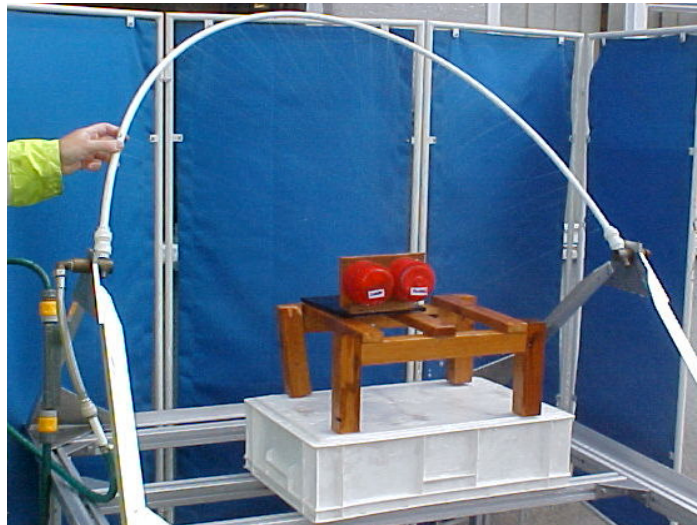
**APPENDIX A**

Photographs

New samples mounted as wall-mounted



Samples during IPx4 water test

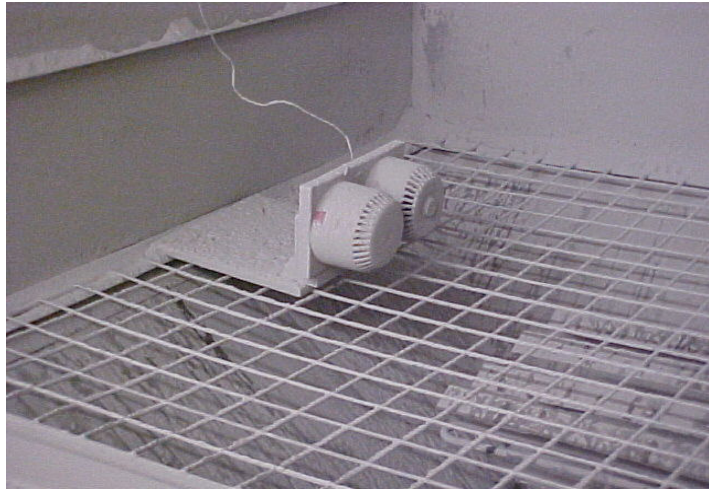


Samples at start of dust test

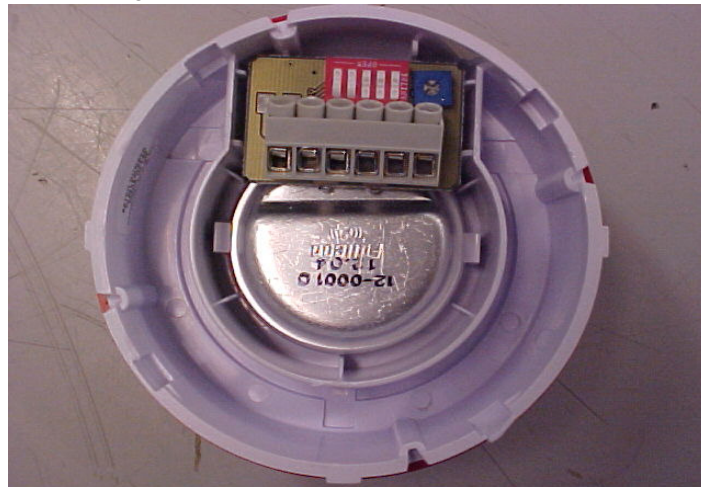




Samples in chamber after dust



No sign of dust or water found inside of Roshni sample



No sign of dust or water found inside of Solex sample

