



## AMENDED REPORT

**No:** 30280A  
**Date of Issue:** 16 May 2008  
**File No:** 2008/014200

**Prepared for:**  
**WORKWELL EQUIPMENT**

### Electrical Resistance Testing of Orthomaster ESD Matting

This amended report supersedes report No. 30280 entirely and was issued to include the product name 'Orthomaster' on pages 1 & 2.



This document is issued in accordance with NATA's accreditation requirements. Accredited for compliance with ISO/IEC 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Issued by

TESTSAFE AUSTRALIA

Dealing with

ELECTRICAL RESISTANCE TESTING OF MINOR

CONVEYOR ACCESSORIES

TO

AS 1334.9 and ISO 2878 as referenced by

MDG 3006 MTR8

APPLICANT:	Workwell Equipment
ADDRESS:	P.O. Box 39 Lake Cargellio NSW 2672
MANUFACTURER:	Not Specified
DATE OF APPLICATION:	16/04/2008
JOB No:	M12645
DESCRIPTION OF MATERIAL:	'Orthomaster' ESD Rubber Sheet
APPLICATION OF MATERIAL:	Floor Mat
NOMINAL THICKNESS:	11 mm
COLOUR:	Black
TEST SPECIFICATION:	AS 1334.9-1982 ISO 2878: 2005, Methods 7.2
OVERALL RESULT:	Pass

REMARKS

1. Please note that the test results contained in this report apply only to those samples of material that were tested and may not be indicative of the total supply from which the samples were drawn.
2. Samples marked:
  - M12645ER-1 to M12645ER-2 were used for surface resistance tests.
  - M12645ER-3 to M12645ER-7 were used for through resistance tests.

Signatory  \_\_\_\_\_  
(L. Gerisch)

**TEST RESULTS****1. Electrical Resistance (Surface) Test to AS 1334.9-1982:**Test Date: 13/05/2008Surface Measurement:

Ambient Temperature: 22.5 °C

Relative Humidity: 44.3 %

Test Equipment:

Resistance Bridge, Megger BMD3, s/no. 000713

Temperature/Humidity Recorder, Tinyview, s/no. 162400

Vernier, Mitutoyo, s/no. 0025652

**TEST DATA:**

Test Piece No.	Electrical Resistance (MΩ)	
	Upper Surface	Lower Surface
M12645ER-1	0.021	0.018
M12645ER-2	0.024	0.014
<b>Total</b>	0.045	0.032
<b>Average</b>	0.023	0.016

Acceptance Criteria: AS4606-2000, Clause 7.5 (as referenced by MDG 3006):

*'When tested with accordance with AS 1334.9 the average of two resistance measurements on the carrying side of the belt shall not exceed 300 MΩ and the average of two resistance measurements on the pulley side of the belt shall not exceed 300 MΩ'*

RESULT: PassCOMMENTS: Nil

2. Electrical Resistance (Through) Test to ISO 2878:2005, Method 7.2:

Test Date: 2/05/2008

Surface Measurement:

Ambient Temperature: 22.4 °C

Relative Humidity: 49.3 %

Test Equipment: Resistance Bridge, Megger BMD3, s/no. 000713  
 Temperature/Humidity Recorder, Tinyview, s/no. 162400

**TEST DATA:**

Test Piece No.	Electrical Resistance (MΩ)
M12645ER-3	0.109
M12645ER-4	0.087
M12645ER-5	0.074
M12645ER-6	0.138
M12645ER-7	0.118
<b>Total</b>	0.526
<b>Average</b>	0.105

Acceptance Criteria: MDG 3006 MTR8, Clause 3.2 c):

*'Where the nominal electrical discharge path is between two surfaces (through resistance), the average of two resistance measurements shall not exceed 300 MΩ when tested to clause 7.2 or 7.3 of ISO 2878'*

RESULT: Pass

COMMENTS: Nil