

# EMECO INDUSTRIES INC. TEST REPORT

**SCOPE OF WORK**

ANSI/BIFMA X5.1-2017 GENERAL PURPOSE OFFICE CHAIRS testing on  
Concrete Stool

**REPORT NUMBER**

103820411GRR-001

**ISSUE DATE**

05-Feb-2019

**PAGES**

7

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Per RT-AMER-L-GRR-DUR-001

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## TEST REPORT FOR EMECO INDUSTRIES INC.

Report No103820411GRR-001

Date: 05-Feb-2019

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### SECTION 1

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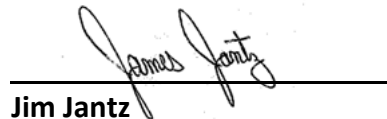
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**Engineer's Printed Name**

**Test Engineer**



**Jim Jantz**

**Project Reviewer**

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**SECTION 2**

**SUMMARY AND CONCLUSION**

Date Received: 29-Jan2019  
 Dates Tested: 30-Jan-2019 to 04-Feb-2019

**DESCRIPTION OF SAMPLES**

Part Description: Concrete Stool  
 Condition of Samples: New

**WORK REQUESTED/APPLICABLE DOCUMENTS**

ANSI/BIFMA X5.1-2017 GENERAL PURPOSE OFFICE CHAIRS  
 Intertek quote Qu-00947802-3

**CONCLUSION**

TEST	RESULTS
10. Seating Durability Tests – Cyclic	CONFORMING

**SAMPLE DISPOSITION**

After test completion sample was returned.

**TEST EQUIPMENT:**

ASSET NUMBER	EQUIPMENT	CALIBRATION DATE	CALIBRATION DUE
138012	Scale/0-1,000#	10/15/2018	10/15/2019
138500.06	STOPWATCH	08/27/2018	08/27/2019
138345	3 Station Seat Impact	VBU	VBU
138519	Graduated Rule 48"	12/17/2018	12/17/2019
138338	CONTROLLER DURABILITY	VBU	VBU
138338.1	LOAD CELL	6/28/2018	6/28/2019
138338.2	LOAD CELL	6/28/2018	6/28/2019

**SECTION 3**

**10. SEATING DURABILITY TESTS – CYCLIC:**

Date Received: 29-Jan2019  
 Date Tested: 30-Jan-2019 to 04-Feb-2019  
 Location Tested: Intertek Kentwood, MI

**DESCRIPTION OF SAMPLES:**

Part Description: Concrete Stool  
 Condition of Samples: New

**TEST PROCEDURE:**

Test Method: Per ANSI/BIFMA X5.1-2017 Test No. 10:

Test No. 10.3 Impact Test  
 Bag Diameter: 16”  
 Bag Weight: 125 lbs.  
 Number of Cycles: 100,000  
 Height of Drop: 1.4”  
 Cycles per Minute: 10 to 30

Test No. 10.4 Front Corner Load-Ease Test – Cyclic – Off-center  
 Bag Diameter: 8”  
 Bag Weight: 200 lbs.  
 Number of Cycles Required: 20,000 to each Front Corner  
 Number Cycles: 10 to 30

Number of Samples Tested: One (1)

**ACCEPTANCE CRITERIA:**

Per ANSI/BIFMA X5.1-2017 Test No. 10:

There shall be no loss of serviceability to the chair after completion of both the Impact and Load Ease Tests. If applicable, the chair base (center structure) shall not touch the test platform as a result of the impact loads.

**RESULTS:**

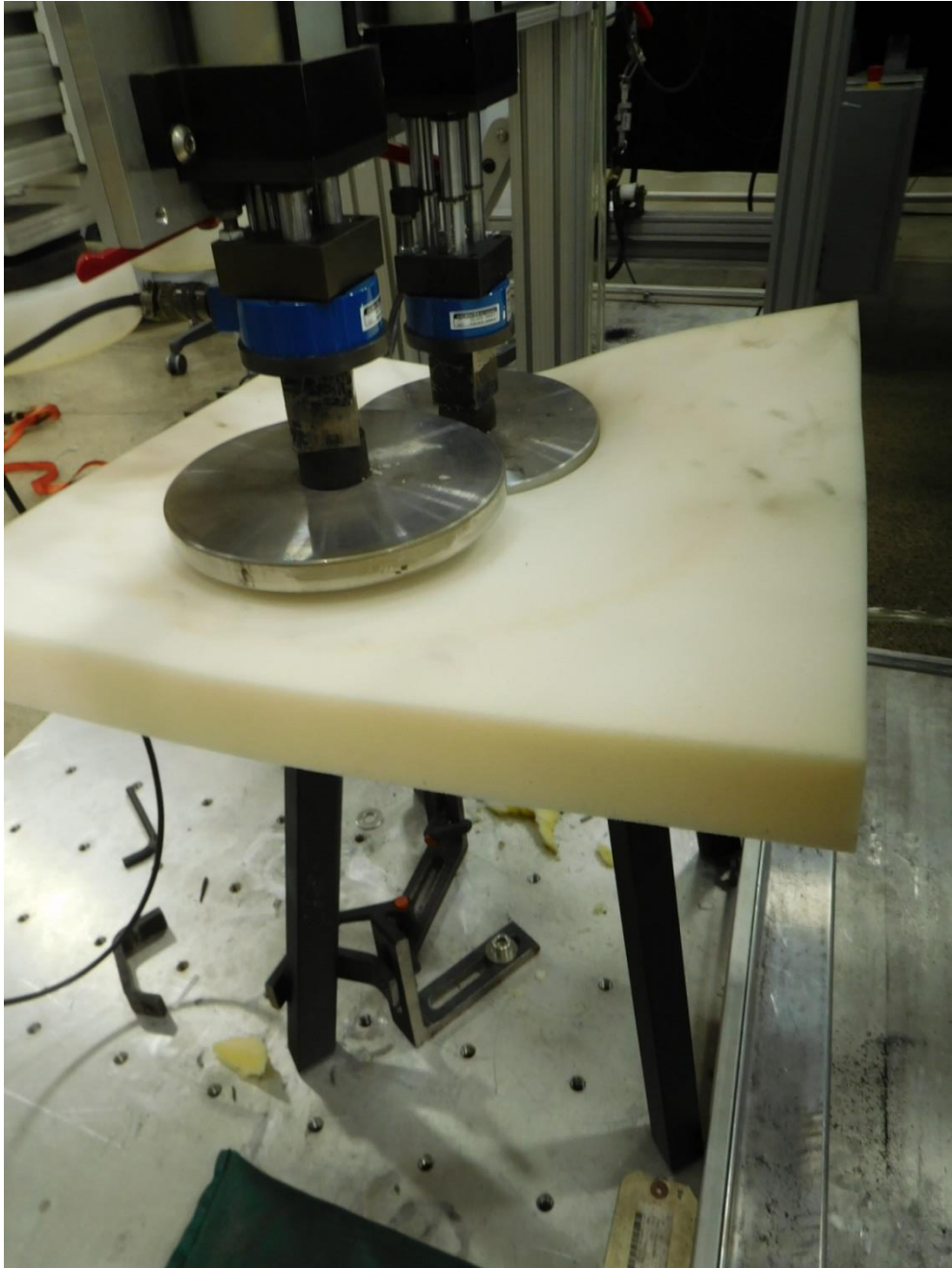
SAMPLE NO.	CYCLES	RESULTS
1	100,000	Conforming

Left Front Corner	20,000	Conforming
Right Front Corner	20,000	Conforming

The submitted sample met the acceptance criteria of the test described above. Refer to the following pages for photographs.



**Impact Test**



**Load Ease Test**

