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## **Report**

**Project number:** 89209491  
**Report number:** 89209491.02en

**Date**  
29/03/2016

**Project number**  
89209491

**Report number**  
89209491.02en

### **Received:**

A protective mat, marked as: "457 Skystep ESD";  
TÜV-reference: MT16-91559.02

**Phone number client**  
+ 31 (0) 180 643 115

**Fax number client**  
-

### **Sampling procedure:**

The samples are selected by the applicant. The test house has had no influence on the sampling procedure.

The samples have been received on 04/03/2016.

### **Order:**

To determine electrical resistance according to IEC 61340-4-1\*  
*\* The test is completely or partially conducted by a subcontractor*

**Article**  
457 Skystep ESD

### **Results:**

See page three and four.

**Appendix**  
- none -

### **Appendix:**

None.

TRN applies General Terms &  
Conditions which are filed at the office of  
the Clerk for civil affairs at the Court in  
Zutphen (the Netherlands) under number  
35/2010, dated November 17th 2010.

## PRODUCT IDENTIFICATION

Applicant : Superior Manufacturing Group-Europe B.V.  
Name : **457 Skystep ESD\***  
Material : 100% Rubber\*  
Mass (kg/m<sup>2</sup>) : 10\*  
Total thickness (mm) : 13\*  
Size (cm x cm) : 90 x 120\*

\* Applicant's declaration

Date  
29/03/2016

Project number  
89209491

Report number  
89209491.02en

Article  
457 Skystep ESD

Page  
2/4

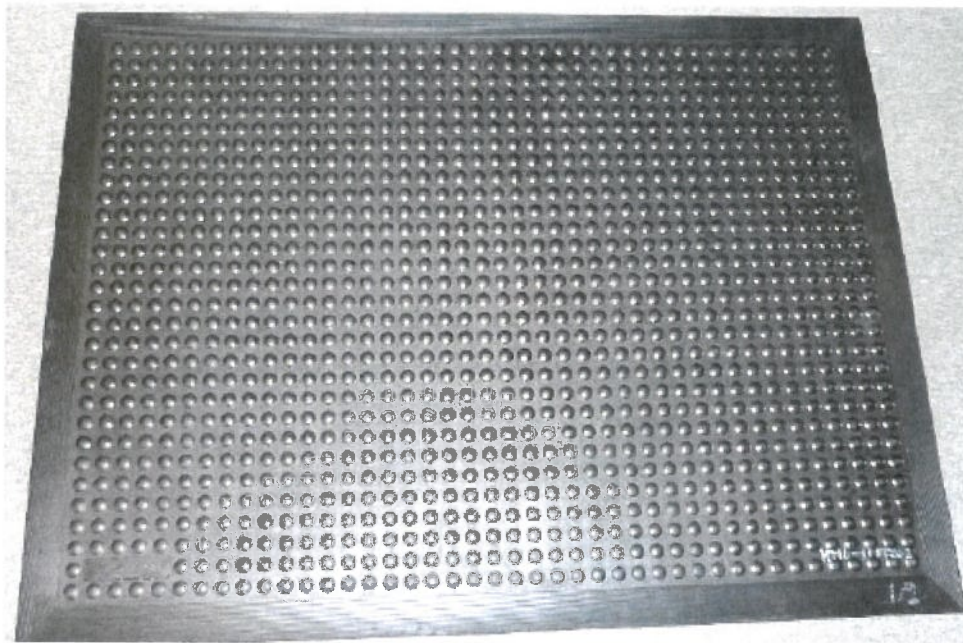


Figure 1, Picture of the received sample

## TEST RESULTS

### *Electrical resistance of floor coverings and installed floors* Method IEC 61340-4-1:2004

Test period : 11/03/2016 – 21/03/2016  
 Pre-conditioning conditions : 23±2°C and 12±3% R.H.  
 Conditioning time : 72 h  
 Test conditions : 23±2°C and 12±3% R.H.  
 Support plates used: : Yes, wood plate (2000 x 2000 x 20 mm)

**Date**  
29/03/2016

**Project number**  
89209491

**Report number**  
89209491.02en

**Article**  
457 Skystep ESD

**Page**  
3/4

#### Horizontal resistance

Sample : MT16-91559.02 (457 Skystep ESD)

Sample no.	Measurement no.	Voltage (V)	Resistance ( $\Omega$ )	Average ( $\Omega$ )
1	1	100	5.40x10 <sup>6</sup>	3.57x10 <sup>7</sup>
	2	100	2.70x10 <sup>7</sup>	
	3	100	5.80x10 <sup>7</sup>	
	4	100	3.30x10 <sup>7</sup>	
	5	100	1.20x10 <sup>7</sup>	
	6	100	7.90x10 <sup>7</sup>	
2	1	100	1.40x10 <sup>7</sup>	3.88x10 <sup>7</sup>
	2	100	8.30x10 <sup>7</sup>	
	3	100	2.70x10 <sup>6</sup>	
	4	100	6.60x10 <sup>7</sup>	
	5	100	1.70x10 <sup>7</sup>	
	6	100	5.00x10 <sup>7</sup>	

**Date**  
29/03/2016

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89209491

**Report number**  
89209491.02en

**Article**  
457 Skystep ESD

**Page**  
4/4

Vertical resistance

Sample : MT16-91559.02 (457 Skystep ESD)

Sample no.	Measurement no.	Voltage (V)	Resistance ( $\Omega$ )	Average ( $\Omega$ )
1	1	100	$1.50 \times 10^6$	$2.00 \times 10^7$
	2	100	$2.50 \times 10^7$	
	3	100	$2.40 \times 10^7$	
	4	100	$2.90 \times 10^6$	
	5	100	$7.40 \times 10^6$	
	6	100	$5.90 \times 10^7$	
2	1	100	$1.40 \times 10^7$	$2.53 \times 10^7$
	2	100	$4.00 \times 10^7$	
	3	100	$1.00 \times 10^7$	
	4	100	$3.30 \times 10^7$	
	5	100	$2.50 \times 10^7$	
	6	100	$3.00 \times 10^7$	
3	1	100	$1.50 \times 10^6$	$2.10 \times 10^7$
	2	100	$1.30 \times 10^6$	
	3	100	$3.00 \times 10^7$	
	4	100	$2.30 \times 10^7$	
	5	100	$5.00 \times 10^7$	
	6	100	$2.00 \times 10^7$	

Author:  
Mr. J. de Wolff



Review:  
Mr. R. Boerboom



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