

CASE STUDY & TEST REPORT

# Dur-A-Static 535 SL

**Customer:** Electronics Manufacturer  
**Location:** Markham, ON, CANADA  
**Completion Year:** 2020  
**Application Type:** Custom White ESD Flooring Systems Installed: Durex<sup>®</sup> Dur-A-Static 535 SL



## Analysis

### Project Info:

High-End Electronics Manufacturer had a specific need for a custom ESD Flooring system for their new electronics manufacturing plant.

### Client Objectives:

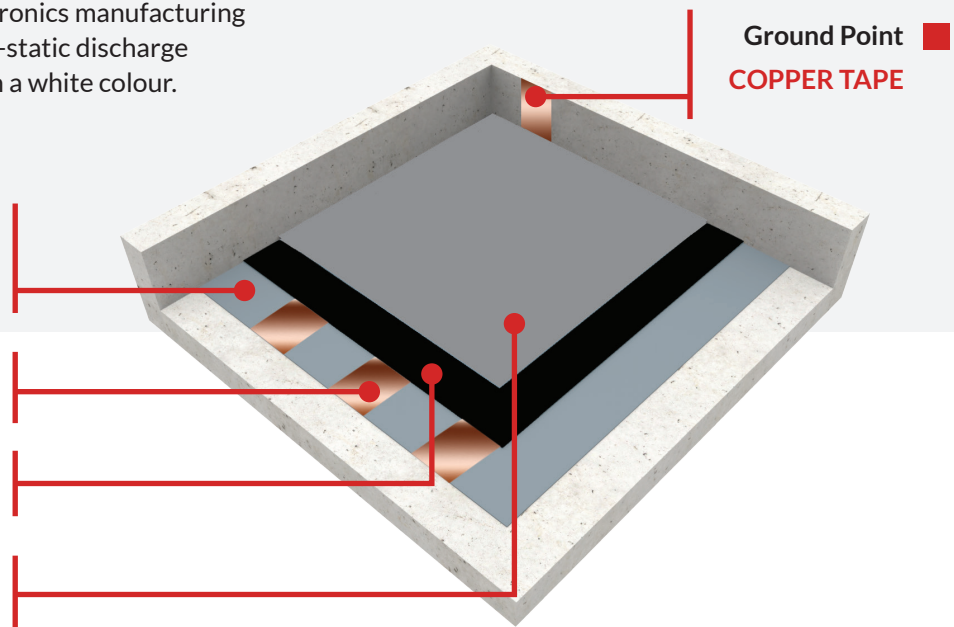
Client required a durable, high-wearing and long lasting floor for their new high-end electronics manufacturing plant. The floor had to be electric-static discharge within a specific ohm range and in a white colour.

## Solution

Durex<sup>®</sup> Dur-A-Static 535 SL

- 3mm thick, durable ESD system
- White colour specially formulated
- OHM range adjusted to their specific need
- Clean and durable finished floor

- **Primer**  
EPOTEL SL OR  
EPOTEL 100 GSC
- **Conductive Material**  
COPPER TAPE
- **Conductive Coat**  
DUR-A-STATIC ESD 100
- **Body Coat**  
DUR-A-STATIC 535 SL



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**Product:** Dur-A-Static 535 SL

**Specifications:** 2.50 x 10<sup>4</sup> to 1.0 x 10<sup>6</sup> ohms

**Test Method:** In accordance with ASTM 150 / ANSI ESD S7

**Equipment:** Automated Prostat PRS-812 Surface Resistance Meter Set with two 5lb, Prostat Probe (As per ASTM Specifications)

**Surface to Ground Resistance**

DATE TESTED	LOCATION	READING IN K OHMS	READING IN OHMS
2020-11-23	G/L #C17	140,000	1.4 x 10 <sup>5</sup>
2020-11-23	G/L #D17	66,000	6.6 x 10 <sup>4</sup>
2020-11-19	G/L #B18	330,000	3.3 x 10 <sup>5</sup>
2020-11-19	G/L #C18	270,000	2.7 x 10 <sup>5</sup>
2020-11-19	G/L #C16	310,000	3.1 x 10 <sup>5</sup>
2020-11-19	G/L #C15	110,000	1.1 x 10 <sup>5</sup>
2020-11-19	G/L #C14	400,000	4.0 x 10 <sup>5</sup>
2020-11-19	G/L #D18	48,000	4.8 x 10 <sup>4</sup>
2020-11-19	G/L #D16	110,000	1.1 x 10 <sup>5</sup>
2020-11-19	G/L #D15	94,000	9.4 x 10 <sup>4</sup>
2020-11-19	G/L #D14	230,000	2.3 x 10 <sup>5</sup>
2020-11-13	G/L #C13	66,000	6.6 x 10 <sup>4</sup>
2020-11-13	G/L #C12	60,000	6.0 x 10 <sup>4</sup>
2020-11-13	G/L #C11	100,000	1.0 x 10 <sup>5</sup>
2020-11-13	G/L #C10	53,000	5.3 x 10 <sup>4</sup>
2020-11-13	G/L #C9	210,000	2.1 x 10 <sup>5</sup>
2020-11-13	G/L #D13	46,000	4.6 x 10 <sup>4</sup>
2020-11-13	G/L #D12	180,000	1.8 x 10 <sup>5</sup>
2020-11-13	G/L #D11	69,000	6.9 x 10 <sup>4</sup>
2020-11-13	G/L #D10	470,000	4.7 x 10 <sup>5</sup>
2020-11-13	G/L #D9	450,000	4.5 x 10 <sup>5</sup>
2020-11-13	G/L #D8	68,000	6.8 x 10 <sup>4</sup>
2020-11-13	G/L #D7	43,000	4.3 x 10 <sup>4</sup>
2020-11-13	G/L #D6	290,000	2.9 x 10 <sup>5</sup>
2020-11-13	G/L #D5	390,000	3.9 x 10 <sup>5</sup>
2020-11-13	G/L #D4	580,000	5.8 x 10 <sup>5</sup>
2020-11-13	G/L #D3	440,000	4.4 x 10 <sup>5</sup>
2020-11-13	G/L #D2	87,000	8.7 x 10 <sup>4</sup>
<b>AVERAGE RESISTANCE</b>		<b>203,928.6</b>	<b>2.04 x 10<sup>5</sup></b>

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