

K.v.k. Tiel 11058217 BTW nr NL 8155.12.004.B01 IBAN NL29RABO0101793758 BIC RABONL2U



standards committee member Deskundigenberichten

Stroefheidsmetingen

ESD - en ATEX vloermetingen

Trainingen voor vloerenbedrijven

Client: Quartzline

Peter Groeneweg W.A. Boogaerdtstraat 5 3316 BN Dordrecht

Project: ESD floor system Quartzline Dordrecht

About: ESD measurement EUROPOX ESD

cast floor Druten, 1 May 2024

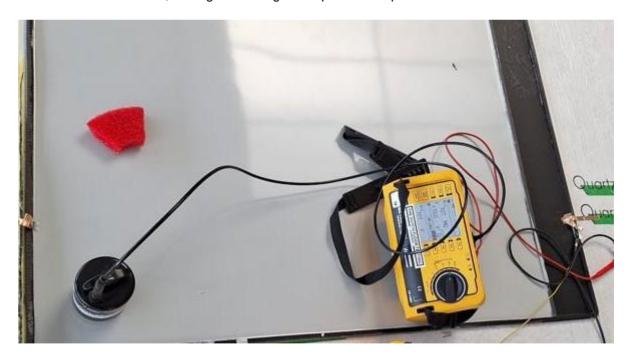
Dear Mr. Groeneweg,

You will hereby receive the report of the ESD measurements dated April 30.

Introduction:

MIJtech is asked to measure the EUROPOX ESD cast floor and report the results.

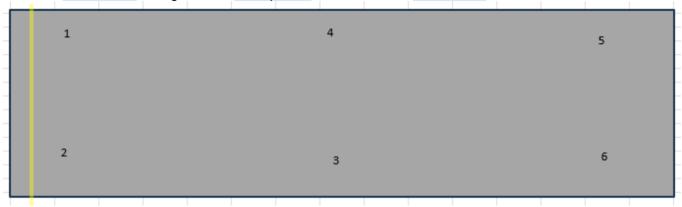
The cast floor consists of, among other things: The primer Europox WA AN and the cast floor EUROPOX SLR AN.





Schedule measurement locations:

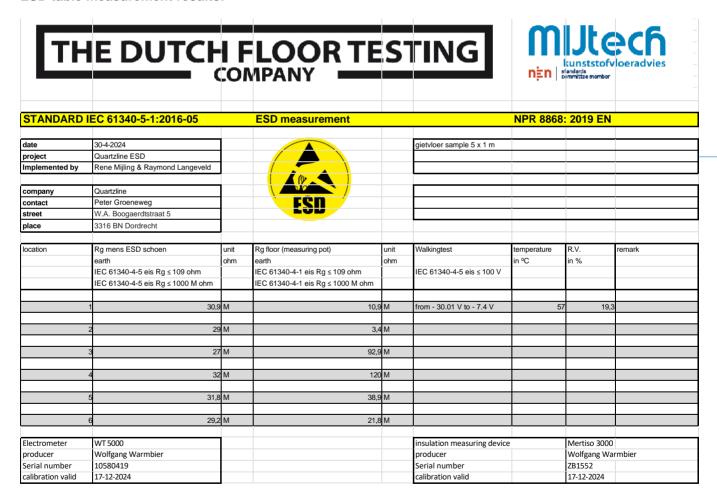
EUROPOX ESD self-levelling floor: test set-up 5 x 1 m



Work carried out:

Grid measurement, 6 measuring points, in addition the walking test was carried out.

ESD table measurement results:





Conclusion ESD:

Based on all measurements and results carried out, the ESD floor system meets the requirements with regard to electrostatic stress build-up.

The requirement is max. 100 V, IEC 61340-4-5.

This is the most important test to demonstrate that the floor is safe with regard to working with ESD sensitive materials.

If no electrostatic voltage is built up, it cannot damage components in the event of spontaneous discharges through these components.

The floor meets the requirement of max. 100 V.

The ESD flooring system meets the requirements for continuity resistance measured in accordance with IEC 61340-4-5 at all locations. Requirement Rg \leq 1000 M ohms.

The ESD floor system meets the resistance measurement measured in accordance with IEC 61340-4-1 at all locations. Requirement Rg \leq 1000 M ohms.

If the resistance measurements meet at least one of the two methods for determining the resistance measurements IEC 61340-4-1 and/or IEC 61340-4-5, and the electrostatic voltage build-up is < 100 V - IEC 61340-4-5, then the floor complies with the standards. (NPR 8868_2019). In terms of standards, the ESD floor meets all ESD requirements.

Remark:

The starting point is that the people who work in this space wear ESD shoes.

René Mijling

Sr. Consultant / expertise synthetic floors

Mobile 0628-972913

R My-ling

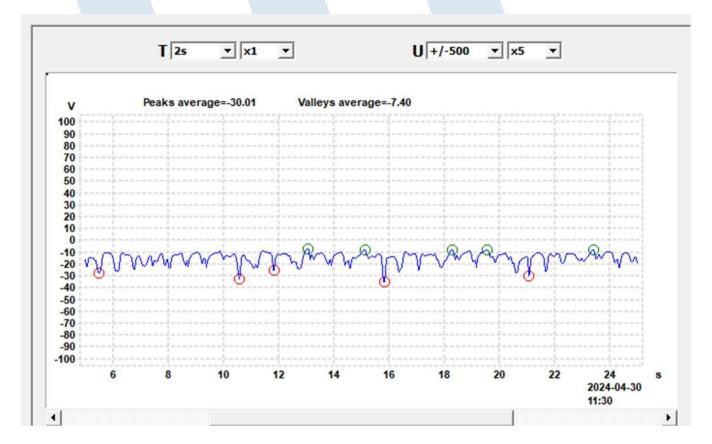
Attachments: graphs Walkingtest.

Schematic representation of measurements.

Calibration report.

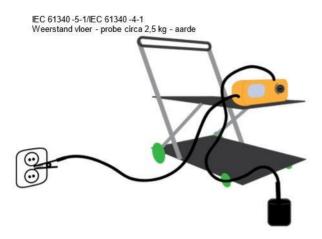


Graph Walking test.

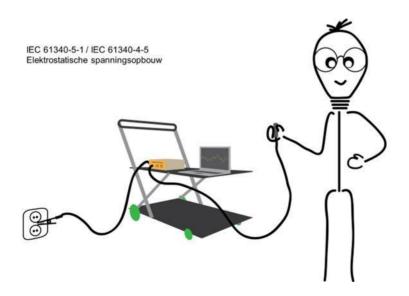




Schematic representation of measurements:











Compliance Statement

Total ESD solutions declares that the following instrument:

Wolfgang Warmbier Metriso 3000

Of the company: Mijtech BV, Druten (NL)

With serial nr. ZB1552

Is incompliance with the requirements as specified in :

IEC 61340-4-5:2018 IEC 61340-4-1:2004 IEC 61340-5-1:2016

Date of issue: December 18, 2023

Issuing party: Total ESD solutions, represented by:

Tim Maas

ANSI certified TR53 ESD specialist ANSI certified ESD program manager





Compliance Statement

Total ESD solutions declares that the following instrument:

Wolfgang Warmbier WT5000 Walking test kit

Of the company: Mijtech BV, Druten (NL)

With serial nr. 10580419

Is incompliance with the requirements as specified in:

IEC 61340-4-5:2018 IEC 61340-5-1:2016

Date of issue: December 18, 2023

Issuing party: Total ESD solutions, represented by:

Tim Maas

ANSI certified TR53 ESD specialist ANSI certified ESD program manager

