

## Statfree® T2 Mats Outlast the Competition

The authors of a recent article in [InCompliance Magazine](#) titled Early Life Failure of Dissipative Workstation Mats, have confirmed that our [Statfree® T2](#) was the top performing worksurface mat (Mat ID#4 in the article) in their study. To read the rest of the article click [HERE](#).

Part of any good ESD Control Programme is periodic verification of the specs of products being used for the ESD Control Plan. The most obvious example of periodic testing is when operators test their foot grounders or wrist straps before entering an ESD Protected Area. EN 61340-5-1 requires a comprehensive compliance verification plan to periodically check ESD protected area ESD control items using only the basic specified test procedure. [Plexus Manufacturing Solutions in Neenah, WI](#) noticed during periodic verification of their workstation mats, that the mats were drifting out of spec and wanted to determine what was causing the mats to fail. Through their in house tests, they concluded that:

- A solid ESD control programme including compliance verification periodic testing with data collection provides valuable and useful information.
- Factory fluorescent lighting, likely from ultraviolet (UV) radiation, can have a measurable effect on the electrical properties of ESD dissipative mats over time.
- Different mats tolerate or resist the effects of factory fluorescent lighting.
- Since this experiment did not take into account lot to lot variation at the supplier for each mat P/N, future mats purchased will require lot traceability information to be stamped on the bottom of the roll, every 3 feet minimum
- The ESD Association technical report ESD TR4.0-01-02 Worksurfaces and Grounding Survey should consider adding ultraviolet light resistance as a property to consider in the Worksurface Selection Guide.

[Statfree® T2](#) mats include Ultraviolet (UV) stabilizer additives in the mat formula to stabilize color retention, ensure ESD performance over time and eliminate surface layer deterioration resulting in cracking when the product is flexed. Additionally, we mark lot traceability information on the bottom of the roll every 3 feet to provide tracking information for lifespan of the product and to ensure quality control.