SUBSTRATUM GROUP

The Cycle of Walkway Management: DESIGN. PLAN. BUILD. MAINTAIN. INSURE. ©

ROBOTIC WAREHOUSE FLOORING TEST RENTAL SYSTEM

Robotic warehouses require a minimum surface friction, a maximum gloss, and a maximum surface resistance. This is required so drive units (robotic devices) don't slip, get "blinded", or build up static charge.

Surface friction requirements are usually specified as a minimum dry static coefficient of friction (SCOF) value. Older designs specify ASTM C1028 (withdrawn in 2014) while newer designs specify a minimum dry SCOF value without identifying a test method.

Gloss requirements are specified as a maximum gloss reading as determined by ISO 2813 or ASTM D523. The gloss is measured at a specific angle per D523 as gloss units (GU).

Surface resistance requirements are specified as a maximum surface resistance as determined by ASTM D257 or EOS/ESD standards. The surface resistance is measured as ohms/sq.

SURFACE FRICTION TESTER

- Available dry SCOF testers are the ASM 825A and the Johnson Forensic Labs GS-1
- Portable and battery powered
- Approved tribometers per National Floor

GLOSS UNITS TESTER

- Tester conforms to ISO 2813 and D523 standards
- Measures gloss at 20˚/60˚/85˚
- Portable and battery powered

SURFACE RESISTANCE TESTER

- Tester conforms to ASTM D257 and EOS/ESD standards
- Static Solutions Ohm-Stat RT-1000
- Measures surface impedance (ohms/sq), relative humidity, temperature per standard
- Portable and battery powered

RENTAL COST - CONTACT FOR QUOTE

$825-$960 for 3 days depending on friction tester requested (825A vs GS-1), shipping additional, refundable deposit required

Contact us for rental information at sales@substratumgroup.com • 1.866.853.5361