

The KOSTER logo is displayed in a bold, blue, sans-serif font. The letter 'O' is stylized with a white dot in the center, resembling a stylized '0' or a specific brand mark. The background of the entire page is a photograph of a server room with rows of server racks and a highly reflective floor. A light beige rectangular box is overlaid on the top left, containing the title and subtitle. A green double-slash graphic is positioned to the right of the title box. Three dark grey callout boxes with green borders are located at the bottom of the page, each containing a key feature of the flooring system.

KOSTER

KOSTER CT ESD Flooring System

Reliable Solutions for Electrostatic Discharge Protection

Maximum protection against electrical charges

High mechanical and chemical durability

Long-term electrical conductivity

KOSTER CT ESD Flooring System

Reliable Electrostatic Protection for Sensitive and Industrial Environments



In environments where electronics, medical devices, aerospace components, or precision equipment are manufactured or handled, even small electrostatic charges can cause costly disruptions. Floors in these areas must provide consistent, controlled electrostatic dissipation to protect sensitive components and ensure operational safety. The KOSTER ESD portfolio offers flexible system configurations depending on performance, substrate, and traffic demands:

KOSTER CT ESD 175 + KOSTER CT ESD 275 — Complete ESD System (Medium to Heavy Industrial Traffic)

- CT ESD 175 functions as the conductive primer and grounding layer, applied by roller and ready for grounding in approximately two hours.
- CT ESD 275 is installed as the topcoat for medium to heavy industrial environments.
- Depending on substrate condition, preparatory steps may include priming with KOSTER CT 121 or installing a moisture mitigation system such as KOSTER VAP I 2000.

KOSTER CT ESD 375 — Stand-Alone or Hybrid Option (Light to Medium Industrial Traffic)

- CT ESD 375 can be used as a stand-alone ESD coating or in combination with CT ESD 175 where enhanced grounding or system build is desired.
- It is designed for light to medium industrial traffic conditions, offering reliable conductivity with a durable, seamless finish.

All KOSTER ESD systems are tested in accordance with DIN EN 61340-4-1:2016, meeting stringent performance requirements for controlled electrostatic dissipation.

Key Features

- Permanent ESD protection, certified per DIN EN 61340-4-1:2016
- Conductive system structure built on KOSTER ESD 175
- Fast installation – conductive layer cures in approx. 2 hrs
- Low VOC, low-odor formulation
- Seamless, hygienic, easy-to-maintain surface
- Suitable for both new construction and renovation
- Full KOSTER system solutions including primers, copper strips, and sealers.
- Light-duty (ESD 275) and heavy-duty (ESD 375)

Performance Benefits

Electrostatic Dissipation

Consistent, compliant ESD control under personnel movement, equipment, and environmental conditions.

Long-Term Electrical Conductivity

Stable, reliable conductive pathways even after repeated cleaning, abrasion, and regular use.

Adhesion & Structural Integrity

Strong long-term bond strength with excellent tensile and compressive performance.

Moisture Management

Compatible with KOSTER moisture mitigation systems.

Additional System Advantages

Safety, Hygiene & Maintenance

- Seamless, sanitary, joint-free surface
- Optional slip-resistant textures
- Compatible with safety zone striping
- Easy to clean; no waxes or ESD polishes required

Aesthetic & Sustainability

- Standard & custom colors (ESD 275)
- Low VOC, low-emission formulation
- Light-reflective options to improve illumination
- Supports LEED® and sustainability initiatives



1. Primer: **KOSTER VAP I 2000**
KOSTER VAP I 2000 UFS
KOSTER MPE
2. Conductive coating: **KOSTER CT ESD 175**
KOSTER MPE
3. Conductor: **KOSTER CT ESD 475**
KOSTER CT ESD 476
4. Top coat: **KOSTER CT ESD 275**
KOSTER CT ESD 375

The KOSTER ESD System delivers maximum protection against unwanted electrical charges, combining a seamless, durable surface with permanent electrical conductivity.

Choosing the Right System for Your Facility

KOSTER ESD 175 & 275 Medium to Heavy Industrial Traffic *For labs, cleanrooms, and electronics assembly*

- High chemical resistance
- High mechanical resistance
- Not suitable for forklifts or heavy carts
- Available in multiple colors
- Ideal for both new construction and renovation

KOSTER ESD 375 Light to Medium Industrial Traffic *For warehouses, production lines, logistics, EV battery plants*

- Very high abrasion & impact resistance
- Suitable for forklifts, pallet jacks, and heavy rolling loads
- Designed for demanding industrial traffic conditions
- Ideal for both new installations and repair upgrades

Complete CT ESD System (Medium to Heavy Industrial Traffic)



KOSTER CT ESD 175

KOSTER ESD 175 is a water based epoxy dispersion for priming floors to be coated with KOSTER ESD 275 and serves as a primer, sealer, and conductive layer for KOSTER ESD 275 and 375. Depending on the conditions of the substrate, previous measures may be necessary



KOSTER CT ESD 275

KOSTER ESD 275 is a rigid, solvent free, self leveling surface coating for floor areas which are to be protected by an ESD zone. rigid surface protection system for concrete protection where ESD protection zones are required for light traffic.

Complete CT ESD System(Light to Medium Traffic))



KOSTER CT ESD 375

KOSTER CT 375 ESD Top Coa is a water-based polyurethane dispersion specifically designed for use in ESD-protected flooring systems. Once cured, the coating delivers a matte-to-satin finish, combining high performance with a clean, professional appearance that is easy to clean.



KOSTER CT ESD 475

Self adhesive, copper grounding, 0.08 mm total thickness, 9mm wide and 25 m wide



KOSTER CT ESD 476

Ground Connection for KOSTER CT ESD System with 1m adhesive copper tape.

KOSTER ESD Maintenance

Clean

- Sweep/scrub regularly
- Wipe spills immediately
- Use soft nylon brushes or white pads only

Avoid

- Dragging heavy items or dropping sharp objects
- Rubber tire staining (use protective barriers)

Repair

- Fix chips/scratches promptly to prevent moisture or chemical intrusion

Pro Tips

- Use walk-off mats at entries
- Set a cleaning schedule based on traffic and exposure
- For harsh chemicals, use KOSTER-approved cleaners

Find your local sales representative at www.kosterusa.com



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KOSTER
Waterproofing Systems



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