

Data Center Subfloor Concrete Seal Service

SET3 provides seal for concrete subfloors in high tech environments. Our protective sealant is non-conductive, 100,000 pounds per square inch (p.s.i.) and is designed specifically for data center environments. SET3 applies seal with special protocol, equipment and chemicals while your data center stays in full operation mode, no downtime needed.

Dangers Of Improperly Sealed Data Center Concrete

Normal to high profile seals applied to homes, garages or industrial buildings are not adequate for data centers - even if they adequately provide a moisture barrier. Most sealers are made with conductive elements such as minerals, metals and other cross-linking elements. As little as 250 volts of static electricity can cause data and memory loss, resets, erroneous commands, and damage to sensitive micro-circuitry

Common problems occurring from improper seals in high tech environments are:

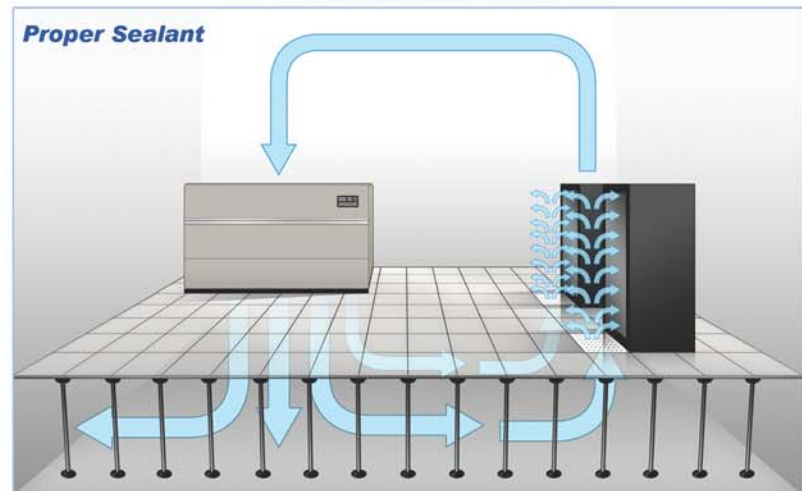
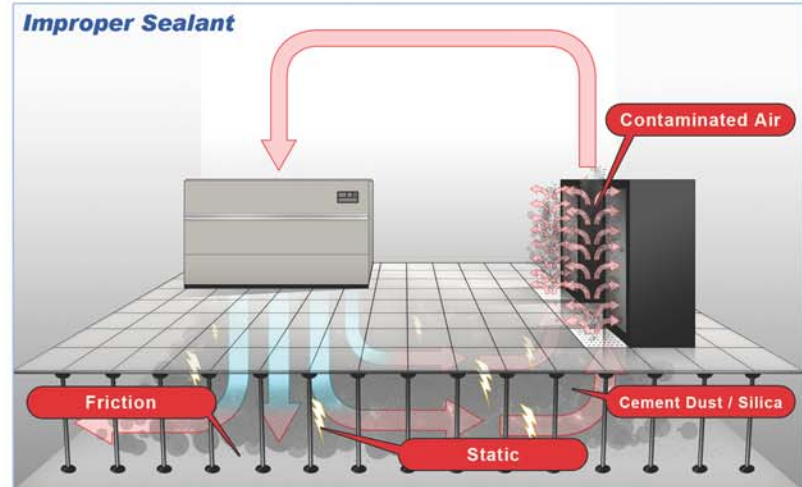
- Static Discharge
- Concrete Dusting
- Airflow Friction
- Charged Particulate on Circuitboards
- Biological Growth
- Moisture Issues
- Metal Oxides / Rust

Typical signs of improper sealants are:

LOW P.S.I. RATING - A p.s.i. (pounds per square inch) rating less than 100,000 should not be used. A data center needs a mechanical seal that will adequately withstand the constant air pressure coming from the CRAC units, while still providing a moisture barrier. Normal seals deteriorate too quickly.

COLORED SEALS & COLORED EPOXY SEALANTS - Color is held in seals by the use of metals. Metals create cross-linking which easily conduct static charges. Some colored seals claim to be anti-static; however, static may still occur due to the metals within the seal once the seal has cured. Although the room is grounded, static events still can occur throughout the data center and cause downtime. It has been learned that as little as 250 volts of static electricity can cause data and memory loss, resets, erroneous commands, and damage to sensitive micro-circuitry.

MINERAL SEALS - Mineral sealants are made of conductive elements. Since static can only be dissipated and cannot be controlled, use of a mineral seal is not sufficient for a data center and may increase the risk of static caused downtime.



Protect your data center
with SET3's data center seal program.
Contact us for a free quote



www.SET3.com
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