

Comprehensive Solutions for Future-Driven Data Centres

Data centres are the lifeline of today's digital economy, housing the critical systems and information that power our interconnected world. Designing and constructing these facilities is no small feat, as they must balance robust performance with stringent safety and durability standards. From fire protection to flooring, each component plays a vital role in ensuring operational efficiency and resilience. Tremco CPG offers a suite of innovative solutions tailored to meet the unique challenges of data centre construction. With advanced flooring systems, and firestopping, waterproofing, sealing, and bonding solutions, Tremco CPG provides a holistic approach to building reliable and efficient digital infrastructure.

Here's how these solutions empower modern data centres to stay secure, durable, and future-ready.

Firestopping for Uncompromised Safety

Fire safety is non-negotiable in data centres. Packed with sensitive equipment and vast networks of cabling, these spaces are inherently at risk of fire-related incidents. Tremco CPG, through its Nullifire brand, addresses this challenge with innovative firestopping solutions.

Firestopping systems focus on sealing weak points such as service penetrations, linear joints, and large openings to prevent the spread of flames, smoke, and heat. Products like FS704 Fire Resistant Hybrid Sealant and VEDAFEU N20 Firestop Blanket ensure fire compartmentation, which not only strengthens building integrity but also provides valuable time for evacuation. With rigorous testing and easy application, Nullifire's firestopping range delivers peace of mind in high-stakes environments.

Advanced Flooring Solutions

The flooring in a data centre is more than a surface to walk on; it's a functional asset, critical to daily operations. Tremco CPG offers anti-static resin flooring systems like Peran ESD SL and Flowfresh ESD SL, designed to control static electricity buildup, a common issue that can harm sensitive electronic equipment.

These flooring solutions are engineered for durability, heavy load resistance, and seamless hygiene. Whether enhancing the performance of main server halls or safeguarding technical rooms, Tremco CPG's flooring systems ensure both safety and functionality while maintaining an attractive aesthetic for the workspace.

Waterproofing for Long-Term Durability

Water is both a necessity and a potential risk in data centre environments. Tremco CPG's waterproofing solutions, such as those offered by the Vandex brand, safeguard critical infrastructure from moisture intrusion. These systems are essential for preventing water damage in cooling systems, structural elements, and storage tanks.

With high-performance coatings, tapes, and crystalline technologies, Vandex waterproofing solutions ensure reliability by keeping water exactly where it belongs. By integrating robust waterproofing, data centres can maintain operational efficiency while mitigating risks from leaks.

Sealing & Bonding for Secure Connections

Proper sealing and bonding plays a key role in preventing air leaks in wall panels, door frames, and HVAC installations, and so are essential foundations for resilient data centre construction.

Tremco CPG's advanced adhesives and sealants are built to reduce mechanical fixings, while ensuring airtight and durable structural bonds. For example, SP050

Multi Adhesive Pro provides versatile adhesion for connecting building materials, while SP350 High Tack Pro simplifies assembly with its high initial grab strength.

Why Choose Tremco CPG for Data Centres?

Tremco CPG stands out not only for its comprehensive product range, but also for its integrated approach to facility construction. By housing solutions for fire safety, flooring, waterproofing, and sealing under one trusted brand, Tremco CPG simplifies the construction process for contractors and designers alike.

Each product is backed by rigorous testing and expert support, ensuring compliance with the latest safety standards. For data centres, where every detail matters, Tremco CPG delivers the reliability and performance needed to protect critical assets and ensure long-term success.