RAGINGWIRE
Project Spotlight

CUSTOMER: RagingWire Data Centers
Ashburn, VA

CONTRACTOR: Collins Concrete Coatings
Ashburn, VA

DISTRIBUTOR: Construction Materials Group
Harrisonburg, VA

PROJECT SQUARE FOOTAGE: 11,000 sq ft.
Challenge

The project manager faced a couple of major challenges with this project:

DUST — Because of the mission-critical nature of data centers, the integrity of the operating environment is high priority. The equipment is very sensitive, so dust and outside contaminants must be eliminated.

TIMELINE — With customers already lined up and waiting for the new phase of the facility to come online, timing was very tight. The contractors needed a floor coating solution that could be acquired and installed quickly and would be ready for equipment installation almost immediately.

Situation

RagingWire Data Centers designs, builds, and operates mission-critical data centers in California and Virginia that deliver 100% availability and high-density power for leading Internet, enterprise, and government organizations. Affiliated with the global network of 150 data centers under the Nexcenter brand operated by NTT Communications, RagingWire opened VA1, its first data center in Ashburn, Virginia in July 2012, and opened VA2 in early 2016. The new facility doubles the capacity to 290,000 square feet (26,942 square meters) in Virginia and takes the company’s total national footprint to nearly one million square feet. The new Ashburn facility includes a state-of-the-art and industry-leading power infrastructure and, like all data centers, requires a completely dust-free environment.

“We take so much of today’s technology for granted, never giving it a second thought until there is an interruption. Providing a clean, reliable environment for the data center equipment requires a solution that ensures dust is not a factor and that all services remain online.”

~ George Dodson, LATICRETE Technical Sales Representative, Specialty Products Division Mid-Atlantic
A LATICRETE Solution

LATICRETE solutions used in the RagingWire Virginia facility include:

SPARTACOTE® GUARD™ is a solid color, high-performance polyaspartic concrete coating system designed to provide a durable and sanitary coating with minimal maintenance and can be installed in less than half the time of competitive solutions. It is completely UV stable, comes in 14 standard colors, is three times more durable than epoxy, offers excellent color and gloss retention, and can provide one day installation with next-day return to service.

SURFACEBUILD SL™ is a medium viscosity, 100% solids, self-leveling epoxy concrete primer and intermediate coating that may be used as a filler coat on concrete that is mildly spalled. The material also may be combined with an aggregate for use as an intermediary build coat within thicker coating systems.

“Every project we do is important, but the pressure was really on for this one,” said Buck Collins of Collins Concrete Coatings. “An application like this has no room for error, and we were completely confident in our ability to get it done on time with the results the client desired. Concrete floor dust will not be an issue for RagingWire or its customers.”

Outcome

The coating was applied quickly and easily once the concrete slab was prepared. Collins Coatings enjoys the challenge of these projects and looks forward to more jobs of this type. RagingWire is very pleased with the results, and the data center began customer installations at the end of 2015. Planners are already discussing the next phase of build-out for the future.