

# Corroding Corrosion So You Can Stay Up and Running

## GUADALAJARA, JALISCO, MEXICO

IBM uses data centers all over the world to store and process data for its customers, making them incredibly valuable to the business. A server testing lab even tests every single server that IBM builds for three to six months to ensure that they won't fail in real-world applications. As new servers were failing for no explainable reason, IBM enlisted Purafil to determine the source of the problem and protect one of their most valuable assets.

To address the issue at hand, Purafil installed Corrosion Classification Coupons (CCC), which allowed for a more complete picture of what was going on. We also learned that the Salto area in Guadalajara has high levels of air pollution and airborne corrosive contaminants, which can wreak havoc on critical equipment. The coupons confirmed this by diagnosing a GX air quality level in the manufacturing lab as per ISA71.04-2013. A GX level is the most severe classification and means that electronic equipment cannot survive the environment.

**Purafil installed Puragrids to reach G1 levels where corrosion is no longer a factor.** It was crucial to safeguard the lab as the rest of the facility was at G3 levels (a harsh environment for electronics and equipment) due to pollution. After a successful installation here, IBM choose to utilize Purafil again when constructing the new data center to prevent corrosion. We installed two Purafil Side Access (PSA) units with our Puracarb media. With these systems, we were able to neutralize a highly corrosive environment. **Our solution has brought the level down to G1, thus safeguarding the data center. As a result, this location hasn't experienced any equipment failure due to corrosion or business downtime.**

