

Project Profile: Elliott Aviation

FBO Solves EPA Problem with Concare's Help.

In early 2003, Quad Cities-based Elliott Aviation completed construction of a new aircraft hangar facility. While their new buildings looked great from the outside, the hazardous chemicals used indoors quickly took a toll on the floors.

Elliott's paint stripping and preparation area was exposed to the constant drip and splash of methylene chloride, used to remove paint from aircraft components. While the concrete itself could withstand the onslaught of these volatile chemicals, the floor's joints couldn't bear the abuse.

Typically, saw cuts are placed in new concrete floors to allow them to crack in a predetermined location. These "control" joints are often filled with a semi-flexible material prior to being put into service to protect the edges, aiding in sanitation and maintenance over long periods of time.

At the bottom of these saw cut joints is a crack through the slab. Because their concrete contained these cracks, Elliott Aviation was naturally concerned that methylene chloride products might leach into the ground, creating significant environmental issues over the life of their facility.

The company turned to Concare, Inc. for a solution. Concare's testing showed that the typical products used to seal joints would only be a stopgap for Elliott's problems, as they only held up for an average of a month at a time in this environment. A fluoroelastomer was ultimately selected to seal the joints, as this was the only material that could be immersed in methylene chloride for weeks and remain unaffected.

Three years later, this product continues to demonstrate why it was chosen, with its amazing ability to withstand damaging chemicals and prevent them from leaching into the ground below.



Concare, Inc. Installer Lorenzo demonstrates how fluoroelastomer is typically applied to joints.



Concare, Inc. provides Elliott Aviation with a beautiful solution to an EPA problem.

Concare, Inc. can provide solutions for your facility's special problems. Call us at 1-866-CONCARE to find out how.

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