

Airport Apron Proves Its Longevity with Over 30 Years of Performance



Centralia Airport

Exter, Ontario, Canada

CHALLENGE

Following its acquisition of Centralia Airport in 1992, the Ontario Development Corporation began rehabilitating the facility to bring it up to current standards.

Years of irregular maintenance and harsh Canadian weather had left the airport apron with extensive thermal, alligator, transverse, and longitudinal cracking. Oxidation had also made the asphalt brittle, increasing the risk of further deterioration that could impact aircraft movement and operational safety.

While a thicker asphalt overlay was considered, it would have significantly increased costs without preventing existing cracks from eventually reflecting through the new pavement surface.

SOLUTION

Project engineers selected Tensar's GlasGrid® 8501 as a lower-cost, longer-lasting alternative to a thicker asphalt overlay.

Installed as a reinforced interlayer beneath the new asphalt surface, GlasGrid was selected to help mitigate reflective cracking, extend pavement service life, and provide long-term performance under Centralia's demanding climate conditions.

RESULTS

More than 30 years after installation, the airport apron continues to demonstrate the long-term performance of the GlasGrid® System.

- A 2007 inspection found only minor cracking after more than 13 years of service.
- A 2022 inspection confirmed the pavement continued to perform well after approximately 30 years of exposure to harsh Canadian weather.
- Project engineers cited GlasGrid's effectiveness in mitigating reflective cracking and extending pavement life.
- Demonstrated a cost-effective rehabilitation solution for aging airport infrastructure.
- Showcased the long-term value of pavement reinforcement in demanding environmental conditions.



PROJECT TEAM

Owner/Developer

Ontario Development Corporation

Design Engineer

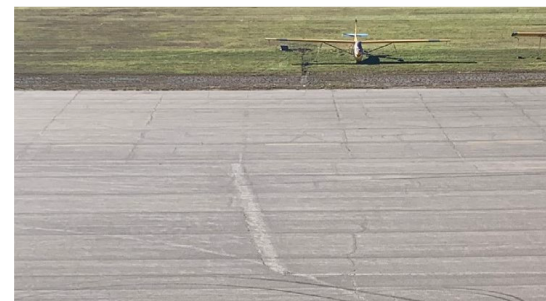
Paragon Engineering

General Contractor

Cox Construction

Installation Date

1992 - 1993



Let us help you with your next challenge: info@tensarcorp.com | (800) 371-7470 | [tensarcorp.com](https://www.tensarcorp.com)



We're CMC. You'll find our products strengthening and reinforcing the infrastructure nearly everywhere on the planet – in sports stadiums and public buildings as well as highways, bridges, railways and other structures. To serve this global market, CMC maintains facilities across the United States, Europe and Asia. These sites include everything from local recycling centers, steel mini-mills and micro-mills to large-scale fabrication centers, heat-treating facilities as well as other operations. **cmc.com** ©CMC 2026