Saint-Gobain ADFORS

For more than 50 years, Saint-Gobain ADFORS has been designing and producing innovative textile solutions for reinforcement in the habitat and industrial markets. Saint-Gobain ADFORS benefits from a unique position: a strong expertise in fiberglass technology and an extended knowledge in weaving and coating leads to a wide offering of reinforcement fabrics. We are always working to develop custom-made solutions and remain strongly invested in ensuring the competitiveness of our customers and supporting their growth.

Saint-Gobain ADFORS is proud to produce its full line of reinforcement solutions in its U.S.-based manufacturing facilities, located 50 miles from our American headquarters, in Albion, NY. This facility is registered for the ISO 9001:2008 certification for quality and the ISO 14001:2004 certification for environmentally friendly manufacturing processes.

The Saint-Gobain Group

Saint-Gobain ADFORS’s parent company, Saint-Gobain, is a world leader in the habitat and construction markets. It designs, manufactures and distributes building materials and other industrial products, providing innovative solutions to meet the growing demand for energy efficiency and environmental protection.

Learn more about how GlasGrid Pavement Reinforcement System products can increase the life of your paving projects.

www.glasgrid.com
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Extend the life of airport pavement, with fewer delays

Traffic loading, age hardening and temperature cycling all cause pavement cracking. GlasGrid® Paving Reinforcement combines strength and elasticity to help arrest this cycle of deterioration. This unique product is helping airports around the world reduce their runway, apron and parking lot maintenance costs by helping to prevent the advance of reflective cracking.

GlasGrid works by reinforcing asphalt concrete overlays in pavement construction. The fiberglass grid is “sandwiched” between the leveling and surface courses of asphalt, and helps retard reflective cracking by a factor of 2 to 3 times by turning crack stresses horizontally to dissipate the stress.

Features and benefits of GlasGrid reinforcement products

- Extend pavement life by up to 300%
- Lower maintenance costs
- Offer quick, easy installation
- Are completely recyclable
- Provide excellent milling performance

Heathrow International Airport
London, UK

Project: Pink Elephant Car Park
Product: GlasGrid® 8550
Quantity: 45,000 m²
Installation date: June 2005

Overlay design:
40 mm surface course
GlasGrid® 8550 + fixing coat
30 mm leveling course
Existing PCC panels

Project details:
At Heathrow Airport in London, the PCC pavement of an existing taxiway needed to be converted into an asphalt paved parking lot. The budget was tight, but the client wanted to prevent reflective cracking to maintain the visual conditions and prevent the detrimental effect of moisture ingress in the structure. Using GlasGrid and a fixing coat of Sealoflex® polymer modified bitumen, a limited overlay thickness was provided. Inspection of the project in 2009 showed that this solution was very effective in addressing reflective cracking, as only one crack had reflected.

Proven performance worldwide for more than 20 years

Atatürk International Airport
Istanbul, Turkey

Project: Atatürk International Airport Runway Rehabilitation
Product: GlasGrid® 8501
Quantity: 300,000 m²
Installation date: May 2010

Overlay design:
4 cm SMA-19 mm nominal
6 cm HMA-19 mm nominal
6 cm HMA-19 mm nominal
GlasGrid® 8501
10 cm CRL-19 mm nominal

Project details:
A major overall reinforcement and expansion of the runway, which included significant volumes of fill to correct the pavement profile, needed to be completed. The old PCC was removed and reinstated with GlasGrid reinforced ACC. The result was a longer and wider runway that has the ability to handle heavier aircraft loadings.

Visit glasgrid.com for a complete list of airport project profiles.