Pavement reinforcement system

GlasGrid®

AREA-WIDE REPAIRS

LOCAL REPAIRS

SPECIAL REPAIRS

30+ years of experiences and successful installations worldwide prove that asphalt reinforcement ADFORS GlasGrid reduces thermal and stress-related cracks reflecting through to the surface of a new asphalt overlays up to 3times.

BENEFITS FOR YOU

- 3times longer roads lifetime
- 50% reduction in future investment costs
- 25% reduction of the downward rut depth
- 10% better waterproofing and drainage of the road
- Traffic jam reduction
- Safer roads
- Quick and efficient installation
- Flexible delivery and high quality service

BE ENVIRONMENTALLY FRIENDLY WITH ADFORS GLASGRID

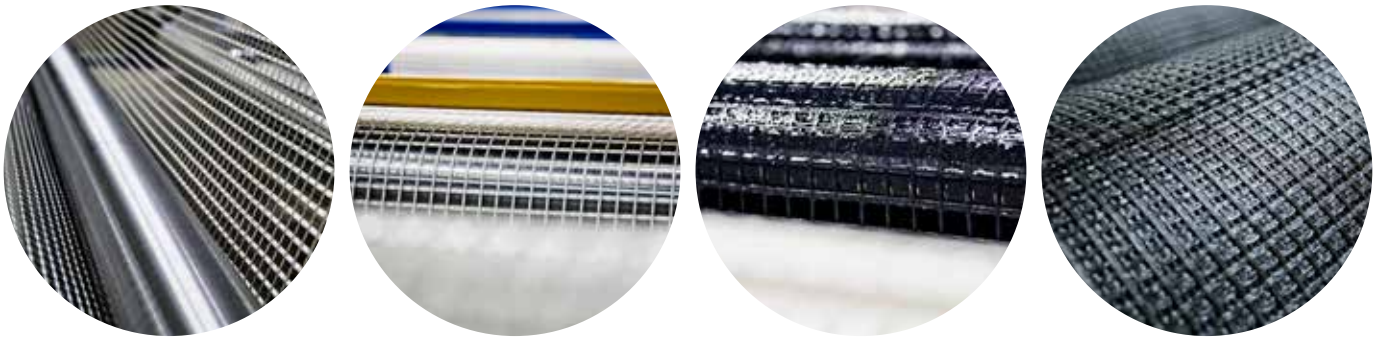
Produced from mineral raw materials

Reduction of CO_2

Full recyclability

APPLICATIONS

- ROADS
- HIGHWAYS
- AIRPORTS
- PARKING LOTS
- BRIDGES
- TRAM LINES



ADFORS GlasGrid is manufactured at an ISO 9001:2015 certified facility of Saint-Gobain ADFORS.

Your issue

Example of cracking
for area-wide repairs

Example of cracking
for local repairs

Example of microcracking
for special repairs

Our solution

Anti-cracking and structural reinforcement of asphalt layers | Self-adhesive grid – application on existing or new surface | Compogrid - application on milled surface

Adventures:

- Easy and fast application without nails need
- Edge marking for easy overlapping
- Not damage during application and compaction
- Good trafficability on applied grid (suppliers, trucks, paver)
- Excellent asphalt layers bonding

Small local area repair of asphalt layers on critical areas of potholes, joints superstructures, utility trench and around manholes.

Adventures:

- Rapid Repair = Place & cover
- No special preparation of surface before application
- Fast and easy manual application due self-adhesiv bitumen layer
- Manpower saving due to no tack coat need
- Protection against rain water penetration due to waterproofing function
- Available in rolls & special shapes for around manhole and hydrant areas

Product for all types of surfaces covered by mastic asphalt

Adventures:

- Elimination of flowing of mastic asphalt during the hardening
- Elimination of microcracking in mastic asphalt
- Rut reduction
- Light weight for easy manipulation
- Easy to cut

References

Area-wide repair project

ATATÜRK INTERNATIONAL AIRPORT RUNWAY REHABILITATION

Product: ADFORS GLASGRID GG SELF-ADHESIVE
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
ADFORS GlasGrid GG100
10 cm CRL-19 mm nominal

Installation of ADFORS GlasGrid at Atatürk Airport, 2010

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 ADFORS GlasGrid reinforced ACC. The result was a longer and wider runway that has the ability to handle heavier aircraft loadings.

Local repair project

E-75 IA1, BELGRADE – NIŠ, RIGHT SIDE, GAS STATION, SERBIA

Product: ADFORS GLASGRID PATCH GRID
Quantity: 3.000 m²
Installation date: May 2018
Overlay design:
5 cm SMA 11sa Pmb
ADFORS GlasGrid PG100 concrete surface

Installation of ADFORS GlasGrid in Belgrade, 2018

Project details:
ADFORS GlasGrid placed directly on concrete and covered with 5cm of wearing course.
ADFORS GlasGrid was used as protection against penetration of dilatations and cracks through new asphalt layer.

Special repair project

TRAM LINES, MOSKEVSKA STREET, PRAGUE, THE CZECH REPUBLIC

Product: ADFORS GLASGRID NA (NON-ADHESIVE)
Quantity: 6.000 m²
Installation date: September – November 2013
Overlay design:
4 cm mastic asphalt (with aggregate 11 mm)
GlasGrid 50NA (non-adhesive)
40mm mastic asphalt (with aggregate 16 mm)
Underlay paper

Installation of ADFORS GlasGrid in Prague, 2013

Project details:
ADFORS GlasGrid placed between 2 mastic asphalt layers to avoid flowing of mastic asphalt during the hardening and eliminate the microcracking and ruting of wearing course.

SAINT-GOBAIN

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ADFORS GlasGrid® is manufactured at an ISO 9001:2015 registered facility of Saint-Gobain ADFORS. ADFORS GlasGrid® is a registered trademark of Saint-Gobain ADFORS. U.S. Patent 8,038,364; 8,349,431 and 8.882.385. Additional patents pending.
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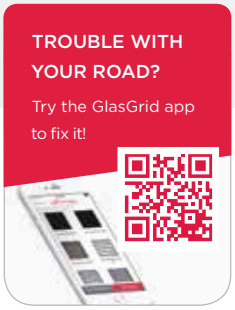
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