

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

WE ARE COMMITTED TO SUSTAINABLE ROADS

Produced from mineral raw materials
Reduction of CO₂
Full recyclability

APPLICATIONS



ROADS



HIGHWAYS



AIRPORTS



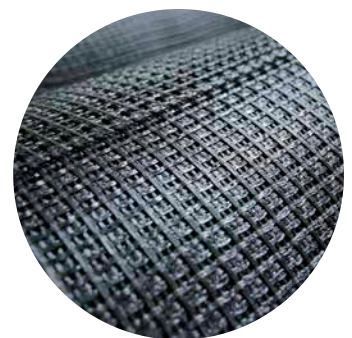
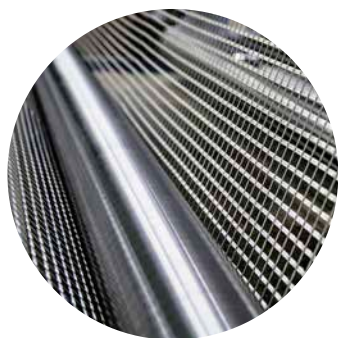
PARKING LOTS



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



for area-wide repairs

Advantages:

- 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

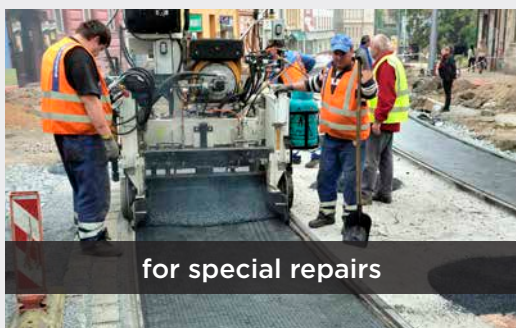


for local repairs

Advantages:

- Rapid Repair = Place & cover
- No special preparation of surface before application
- Fast and easy manual application due self-adhesive 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



for special repairs

Advantages:

- 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

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.



Installation of ADFORS GlasGrid at Atatürk Airport, 2010

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:

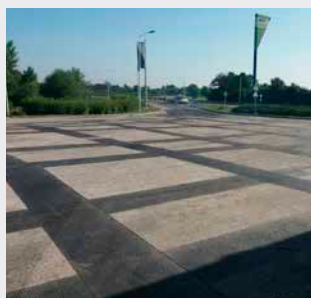
5 cm SMA 11sa Pmb

ADFORS GlasGrid PG100 concrete surface

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.



Installation of ADFORS GlasGrid in Belgrade, 2018

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

Project details:

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



Installation of ADFORS GlasGrid in Prague, 2013



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