

General Description

The patch repair system ADFORS GlasGrid PG (Patch Grid) is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid PG consists of a high stiffness fiberglass grid coated with a patented polymer coating. The product is specifically developed for the manual repair of small areas and can be installed directly on the milled surface without additional preparation. ADFORS GlasGrid PG conforms to the property values listed below, which have been derived from quality conformance testing performed by an accredited laboratory:

Technical Characteristics

Property	PG 100	PG 200	Test Method
Tensile Strength (MD x XD) Ultimate	(115 x 115) - 15 kN/m	(115 x 215) - 15 kN/m	EN ISO 10319 ASTM D6637
Tensile Elongation Ultimate	2,5 ± 0,5 %	2,5 ± 0,5 %	EN ISO 10319 ASTM D6637
Tensile Resistance @ 2% Strain (MD x XD)	(95 x 95) ± 20 kN/m	(95 x 180) ± 20 kN/m	EN ISO 10319 ASTM D6637
Secant Stiffness EA @ 1% Strain (MD x XD)	(4.600 x 4.600) ± 600 N/mm	(4.600 x 8.600) ± 600 N/mm	EN ISO 10319 ASTM D6637
Young's Modulus E	73.000 MPa	73.000 MPa	
Mass per Unit Area	min. 1.400 g/m ²	1.830 g/m ²	EN ISO 9864 ASTM D5261
Melting Point Coating	>232 °C	>232 °C	ASTM D276/EN ISO 3146
Melting Point Glass	>820 °C	>820 °C	ASTM C338
Melting Point Bitumen Layer	>93 °C		
Roll Length	20 m	20 m	
Roll Width	1 m	1,2 m	
Roll Area	20 m ²	24 m ²	
Grid Size (Center to Center of Strand)	25 x 25 mm	25 x 19 mm	
Material	Fiberglass reinforcement with modified polymer coating and bonded to a self-adhesive bitumen layer specifically engineered for asphalt overlays.		

Properties

- High grid stiffness provides a wrinkle-free installation and a direct load transmission.
- Self-adhesive bitumen layer
- Low elongation
- Thermal and chemical stability
- Excellent milling performance



The values and tolerances given are obtained in our laboratories and in accredited testing institutions. The information given in this data sheet is to the best of our knowledge true and correct. However new research and practical experience can make revisions necessary. We reserve the right to make changes at any time. Statements concerning possible use of our product are not intended as recommendations for their use in the infringement of any patent. No patent warranty of any kind, expressed or implied, is made or intended.

Installation

- Patch Grid can be installed on an old asphalt surface or evenly milled surface without additional preparation. Road surface must be dry, clean and dust-free with temperature 5 ° - 60 °C.
- Unroll the geogrid removing the protection film on the back and place the geogrid non-woven fabric side face up. Respect the overlap of end roll joints 10 - 15 cm and longitudinal joints at minimum 5 cm.
- Press the grid to a layer to ensure a bonding.
- Apply asphalt over layer.

See document Installation Procedures for detailed steps available on our website.

Benefits

- Universal application on milled surface or over existing pavement surfaces
- Reinforcement of joint superstructures, single cracks and small asphalt areas
- Fast and easy manual installation
- Self-adhesive bitumen layer
- No heating necessary
- High grid stiffness providing a wrinkle free installation
- Easy cutting
- Good trafficability (suppliers, trucks, paver)
- Thermal and chemical stability
- Excellent milling performance
- Measured unlimited recyclability & enhanced properties in Reclaimed Asphalt Pavement (RAP)

Palletization

Product	Roll width	Roll area	Roll weight	No of rolls on pallet	Total area
PG100	1 m	20 m ²	28 kg	12	240 m ²
PG200	1,2 m	24 m ²	45 kg	12	288 m ²



SAINT-GOBAIN ADFORS CZ s.r.o.
 Sokolovská 106
 570 01 Litomyšl
 Czech Republic
 Tel: +420 461 651 111
glasgrid.eu@saint-gobain.com
www.adfors.com

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CE Plant Litomyšl (CZ): 1021-CPR-040/15-1 15
 Plant Albion (US): 0799-123 2012

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