

### General Description

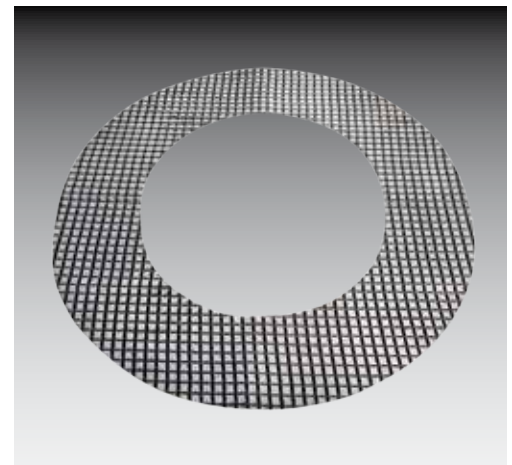
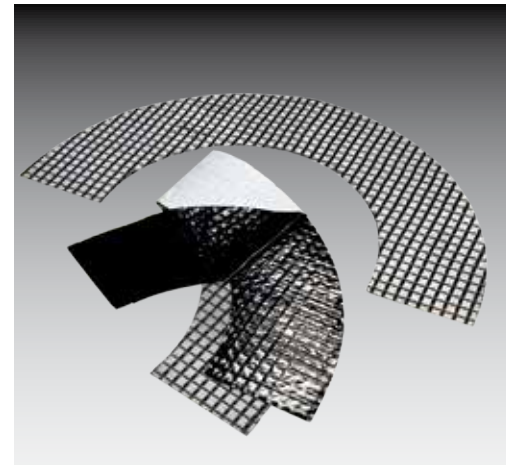
The Manhole Patch Solution ADFORS GlasGrid PM (Patch Manhole) is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid PM consists of a high stiffness fiberglass grid coated with a patented polymer coating.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

### Technical Characteristics

| Property                                  | PM 100   | Test Method                |
|---|--|----------------------------|
| Tensile Strength (MD x XD) Ultimate       | (115 x 115) - 15 kN/m  | EN ISO 10319<br>ASTM D6637 |
| Tensile Elongation Ultimate               | 2,5 ± 0,5 %  | EN ISO 10319<br>ASTM D6637 |
| Tensile Resistance @ 2% Strain (MD x XD)  | (95 x 95) ± 20 kN/m  | EN ISO 10319<br>ASTM D6637 |
| Secant Stiffness EA @ 1% Strain (MD x XD) | (4.600 x 4.600) ± 600 N/mm   | EN ISO 10319<br>ASTM D6637 |
| Young's Modulus E                         | 73.000 MPa   |                            |
| Mass per Unit Area                        | min. 1.000 g/m <sup>2</sup>  | EN ISO 9864                |
| Melting Point Coating                     | >232 °C  | ASTM D276/EN ISO 3146      |
| Melting Point Glass                       | >820 °C  | ASTM C338                  |
| Melting Point Bitumen Layer               | >93 °C   |                            |
| Grid Size (Center to Center of Strand)    | 25 x 25 mm   |                            |
| Internal Diameter                         | 685 mm<br>785 mm   |                            |
| Standard Number of Pieces in Box          | 5  |                            |
| 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.
- 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 Manhole 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.
- Remove the protection film on the back and place the grid non-woven fabric side face up. The overlap of the two halves of the material are necessary (minimum 1 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
- Crack mitigation around manholes, road gulleys, hydrant caps and slide bars
- 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 | Internal Diameter | Number of pieces in box | Box dimensions | Box weight | No of boxes on pallet |
|---------|-------------------|-------------------------|----------------|------------|-----------------------|
| PM100   | 685 mm            | 5                       | 60x60x10 cm    | 5 kg       | 20                    |
|         | 785 mm            | 5                       | 60x60x10 cm    | 5 kg       | 20                    |



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In as much as Saint-Gobain ADFORS has no control over installation design, installation workmanship, accessory materials, or conditions of application, Saint-Gobain ADFORS does not warrant the performance or results of any installation or use of ADFORS GlasGrid PM. This warranty disclaimer includes all implied warranties, statutory or otherwise, including the warranty of merchantability and of fitness for a particular purpose. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product for the particular purpose desired in any given situation.

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

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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