GlasGrid® PM

FOR LOCAL REPAIRS

Technical Data Sheet
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General Description

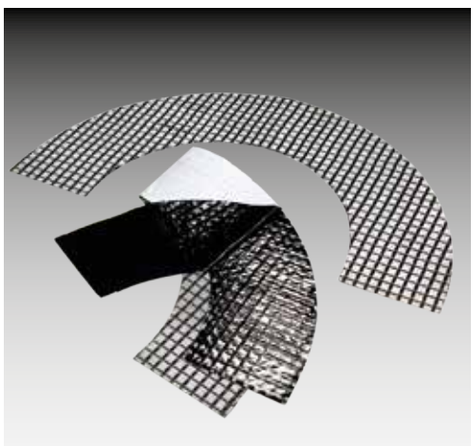
The Manhole Patch Solution ADFORS GlasGrid PM (Patch Manhole) is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid PM consists of a high stiffness fiberglass grid coated with a patented polymer coating. 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 a laboratory:

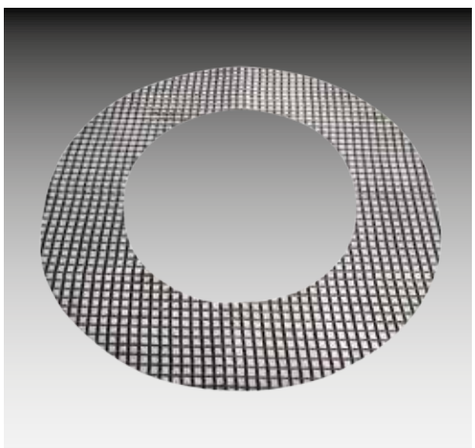
Properties

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

Technical Characteristics

Property	Unit	PM 100	Test Method
Tensile Strength (MD x XD) Ultimate	kN/m	(115 x 115) - 15	EN ISO 10319
Tensile Elongation Ultimate	%	2,5 ± 0,5	EN ISO 10319
Tensile Resistance @ 2% Strain (MD x XD)	kN/m	(95 x 95) ± 20 kN/m	EN ISO 10319
Secant Stiffness EA @ 1% Strain (MD x XD)	N/mm	(4.600 x 4.600) ± 600	EN ISO 10319
Young's Modulus E	MPa	73.000	
Mass per Unit Area	g/m²	1.450 ± 150	EN ISO 9864
Melting Point Coating	°C	>232	ASTM D 276
Grid Size (Center to Center of Strand)	mm	25 x 25	
Internal Diameter	mm	785	
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.		





ADFORS GlasGrid PM

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
PM 100	785 mm	5	60x60x10 cm	5 kg	20

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1021-CPR-040/15-1
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