

Technical Data Sheet

General Description

The patch repair system ADFORS GlasGrid Rapid is manufactured at Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid Rapid consists of a high stiffness fiberglass grid coated with a patented polymer coating, a nonwoven fabric and a thin self-adhesive bitumen layer. The product is specially developed for very fast repairs with application on all types of surfaces without the need for tack coat saving time, labour and costs. ADFORS GlasGrid Rapid has a positive impact on reducing CO₂ emissions due to its application and extension of maintenance periods. ADFORS GlasGrid Rapid conforms to the property values listed below, which have been derived from quality conformance testing performed by a laboratory:

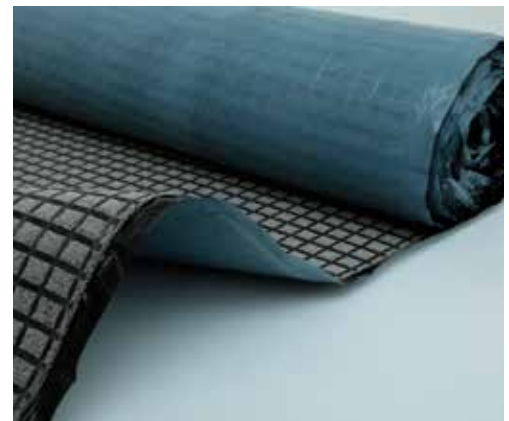
Technical Characteristics

Property	Unit	Rapid Patch	Rapid Grid	Test Method
Tensile Strength (MD x XD) Ultimate	kN/m	(115 x 115) - 15	(115 x 115) - 15	EN ISO 10319
Tensile Elongation Ultimate	%	2,5 ± 0,5	2,5 ± 0,5	EN ISO 10319
Tensile Resistance @ 2% Strain (MD x XD)	kN/m	(95 x 95) ± 20	(95 x 95) ± 20	EN ISO 10319
Secant Stiffness EA @ 1% Strain (MD x XD)	N/mm	(4.600 x 4.600) ± 600	(4.600 x 4.600) ± 600	EN ISO 10319
Young's Modulus E	MPa	73.000	73.000	
Mass per Unit Area	g/m ²	1450 ± 150	1000 ± 100	EN ISO 9864
Melting Point Coating	°C	>232	>232	ASTM D 276
Roll Length	m	20	40	
Roll Width	m	1	1	
Roll Area	m ²	20	40	
Grid Size (Center to Center of Strand)	mm	25 x 25	25 x 25	

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

- Rapid can be installed on milled, flat or combined surfaces. Rapid is suitable for both an asphalt and a concrete. Road surface must be dry, clean and dust-free with temperature 5 °- 60 °C.
- Unroll and peel off the foil in 1 step or unroll, adjust and then peel off the foil. Place Rapid non-woven fabric side face up. Respect the overlap of the end roll joints 10-15 cm and longitudinal joints at minimum 5 cm.
- Press the grid to a surface to ensure sticking.
- Apply asphalt over layer.

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

Benefits

- Universal application on milled surfaces or over existing pavement surfaces
- Suitable for both asphalt and concrete surfaces
- Reinforcement of joint superstructures, single cracks and small asphalt areas
- Fast and easy manual installation
- Tack coat free application
- Self-adhesive bitumen layer
- No heating necessary
- High grid stiffness providing a wrinkle free installation
- Easy cutting
- Sand on the top of Rapid for 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 length	Roll area	Roll weight	No of rolls on pallet	Total area
Rapid Patch	1 m	20 m	20 m ²	28 kg	12	240 m ²
Rapid Grid	1 m	40 m	40 m ²	45 kg	11	440 m ²

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CE Plant Litomyšl (CZ):
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