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

Material

Unit	Rapid Patch	Rapid Grid	Test Method	
kN/m	(115 x 115) - 15	(115 x 115) - 15	EN ISO 10319	
%	2,5 ± 0,5	2,5 ± 0,5	EN ISO 10319	
kN/m	(95 x 95) ± 20	(95 x 95) ± 20	EN ISO 10319	
N/mm	(4.600 x 4.600) ± 600	(4.600 x 4.600) ± 600	EN ISO 10319	
MPa	73.000	73.000		
g/m²	1450 ± 150	1000 ± 100	EN ISO 9864	
°C	>232	>232	ASTM D 276	
m	20	40		
m	1	1		
m²	20	40		
mm	25 x 25	25 x 25		
	kN/m % kN/m N/mm MPa g/m² °C m m m	kN/m (115 x 115) - 15 % 2,5 ± 0,5 kN/m (95 x 95) ± 20 N/mm (4.600 x 4.600) ± 600 MPa 73.000 g/m² 1450 ± 150 °C >232 m 20 m 1 m² 20	kN/m (115 x 115) - 15 (115 x 115) - 15 % 2,5 ± 0,5 2,5 ± 0,5 kN/m (95 x 95) ± 20 (95 x 95) ± 20 N/mm (4.600 x 4.600) ± 600 (4.600 x 4.600) ± 600 MPa 73.000 73.000 g/m² 1450 ± 150 1000 ± 100 °C >232 >232 m 20 40 m 1 1 m² 20 40	

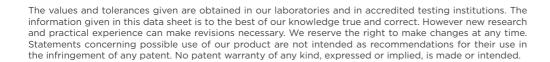
Fiberglass reinforcement with modified polymer coating and bonded to a self-adhesive bitumen layer specifically engineered for asphalt overlays.

Properties

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









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 m²	28 kg	12	240 m²
Rapid Grid	1 m	40 m	40 m²	45 kg	11	440 m²









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Sokolovská 106 570 01 Litomyšl The Czech Republic Tel: +420 461 651 111 glasgrid.cz@saint-gobain.com eu.adfors.com 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. 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.









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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