

GlasGrid® **TF**

Technical Data Sheet

1/2

General Description

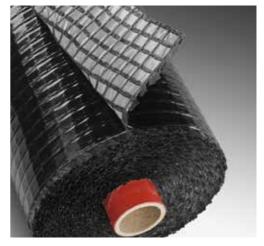
ADFORS GlasGrid TF (Tack Film) Full Lane Width Pavement Reinforcement System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid TF is a high strength, fiberglass grid custom knitted and coated with a patented elastomeric polymer and self-adhesive glue. The grid is combined with a patented multilayer tack film designed to enhance the bond between layers of asphalt and replace conventional tack coats. Every component of the matrix shall be stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment. ADFORS GlasGrid TF conforms to the property values listed below, which have been derived from quality conformance testing performed by a laboratory:

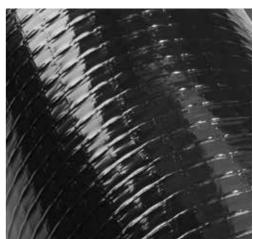
Technical Characteristics

Property	Unit	TF 100	TF 200 Test Method		
Tensile Strength (MD x XD) Ultimate	kN/m	(115 x 115) - 15	(115 x 215) - 15	EN ISO 10319	
Tensile Elongation Ultimate	%	2,5 ± 0,5	2,5 ± 1,5 EN ISO 10319		
Tensile Resistance @ 2% Strain (MD x XD)	kN/m	(95 x 95) ± 20	(95 x 180) ± 20 EN ISO 10319		
Secant Stiffness EA @ 1% Strain (MD x XD)	N/mm	(4.600 x 4.600) ± 600	(4.600 x 8.600) EN ISO 10319 ± 600		
Young's Modulus E	MPa	73.000	73.000		
Mass per Unit Area	g/m²	467	691	EN ISO 9864	
Melting Point	°C	>232	>232	ASTM D 276	
Roll Length	m	100	60		
Roll Width	m	1,5	1,5; 2,0		
Roll Area	m²	150	90, 120		
Adhesive Backing		Pressure sensitive	Pressure sensitive		
Grid Size (Center to Center of Strand)	mm	12,5 x 12,5 (type 8501) 25 x 25 (type 8511)	25 x 19 mm		
Film Type		100% Polymer	100% Polymer		
Film Softening Point	°C	99	99		
 Material	Fiberglass reinforcement with modified polymer coating and pressure-sensitive adhesive backing				

Properties

- High grid stiffness provides a wrinklefree installation and a direct load transmission
- Low elongation
- Thermal and chemical stability
- Excellent milling performance
- Patented tack film replacing tack coat





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.

bonded to polymer tack film



Installation

- Complete all crack sealing, pothole filling, base repairs, leveling course application. Road surface must be dry, clean and dust-free with temperature 21 °C - 60 °C.
- Unroll the geogrid with the sticky side face down and film up on the flat layer/ leveling course.
- Respect the overlap of end roll joints 10 15 cm and longitudinal joints at 2,5 5 cm.
- Press the grid to the layer to activate glue and ensure bonding between the lower surface and grid.
- Apply asphalt over layer.

See document Installation Procedures for detailed steps available on our website or watch the video on YOUTUBE ADFORS TV channel.

Benefits

- Quick and efficient installation due to self-adhesive backing
- High grid stiffness providing a wrinkle free installation
- Easy cutting
- Reduced curing time allows for faster paving construction
- Good trafficability (suppliers, trucks, paver)
- Thermal and chemical stability
- Excellent milling performance
- Measured unlimited recyclability & enhanced properties in Reclaimed Asphalt Pavement (RAP)
- Fewer emissions during installation

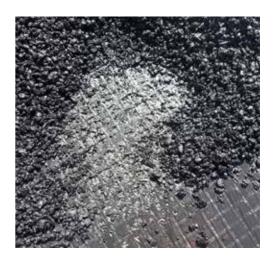






Palletization

Product	Roll width	Roll area	Roll weight	Core inner diameter	No of rolls on pallet	Total area
TF 100	1,5 m	150 m²	73 kg	76 mm	9	1 350 m²
TF 200	1,5 m 2 m	90 m² 120 m²	65 kg 87 kg	76 mm 76 mm	9	810 m² 1 080 m²





SAINT-GOBAIN ADFORS CZ s.r.o.

Sokolovská 106 570 01 Litomvšl 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.



Plant Albion (US): 0799-123







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. © 2021 Saint-Gobain ADFORS