

# GlasGrid® CG

Technical Data Sheet

# **General Description**

ADFORS GlasGrid CompoGrid Pavement Reinforcement System and Moisture Barrier System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. CompoGrid is a composite material consisting of fiberglass reinforcement grid coated in a patented elastomeric polymer, bonded to a non-woven paving geotextile. The non-woven geotextile is a staple fiber, needlepunched and manufactured from fibers that are needled to form a stable network and retain dimensional stability relative to each other. CompoGrid is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CompoGrid conforms to the property values listed below, which have been derived from quality conformance testing performed by a laboratory:

## **Technical Characteristics**

Material

Property	Unit	CG 50	CG 100	CG 200	Test Method
Tensile Strength (MD x XD) Ultimate	kN/m	(55 x 55) - 5	(115 x 115) - 15	(115 x 215) - 15	EN ISO 10319
Tensile Elongation Ultimate	%	2,5 ± 0,5	2,5 ± 0,5	2,5 ± 0,5	EN ISO 10319
Tensile Resistance @ 2% Strain (MD x XD)	kN/m	(46 x 46) ± 10		(95 x 180) ± 20	EN ISO 10319
Secant Stiffness EA @ 1% Strain (MD x XD)	N/mm	(2.200 x 2.200) ± 200	(4.600 x 4.600) ± 600 N/mm	(4.600 x 8.600) ± 600 N/mm	EN ISO 10319
Young's Modulus E	MPa	73.000	73.000	73.000	
Mass per Unit Area	g/m²	335	535	733	EN ISO 9864
Melting Point Coating	°C	>232	>232	>232 ASTM D 276	
Roll Length	m	100	70	60	
Roll Width	m	1,0; 1,5; 2,0; 3,0	1,0; 1,5; 2,0; 3,0	1,5	
Roll Area	m²	100, 150, 200, 300	70, 105, 140, 210	90	
Grid Size (Center to Center of Strand)	mm	25 x 25	25 x 2Z	25 x 19	

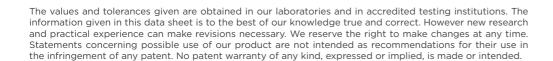
Fiberglass reinforcement with modified polymer coating bonded to a non-woven textile specifically engineered for asphalt overlays.

# **Properties**

- High grid stiffness provides a wrinklefree installation and a direct load transmission.
- Low elongation
- Thermal and chemical stability









## Installation

- CompoGrid can be installed on an old asphalt surface or evenly milled surface. Fill cracks and depressions wider than 6 mm. Road surface must be dry, clean and dust-free with temperature 5 ° - 60 °C.
- Apply tack coat per project requirements. (See application tack coat rate formula in Installation manual page 3).
- Unroll the geogrid with the non-wowen fabric side face down immediately after tack coat spraying. Respect the overlap of end roll joints 10 - 15 cm and longitudinal joints at minimum 5 cm. Ensure sufficient amount of tack is applied at the overlap, in order that both layers of materials become fully saturated.
- Press the grid to a layer to ensure a saturation of bitumen into the fabric.
- Permit the tack to completely cure prior to proceeding.
- 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**

- Universal application on milling surface or over existing pavement surfaces
- Quick and efficient installation
- Efficient moisture barrier due to the non-woven fabrics
- 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	Roll width	Roll area	Roll weight	Core inner diameter	No of rolls on pallet	Total area
CG 50	1 m	100 m <sup>2</sup>	36 kg	76 mm	12	1 200 m <sup>2</sup>
	1,5 m	150 m²	53 kg	76 mm	12	1800 m <sup>2</sup>
	2 m	200 m <sup>2</sup>	72 kg	76 mm	6	1 200 m <sup>2</sup>
	2 m	200 m <sup>2</sup>	72 kg	76 mm	10	2 000 m <sup>2</sup>
	3 m	300 m <sup>2</sup>	108 kg	100 mm	6	1800 m <sup>2</sup>
	3 m	300 m <sup>2</sup>	108 kg	100 mm	10	3 000 m <sup>2</sup>
CG 100	1 m	70 m²	40 kg	76 mm	12	840 m²
	1,5 m	105 m²	59 kg	76 mm	12	1 260 m <sup>2</sup>
	2 m	140 m²	80 kg	76 mm	6	840 m²
	2 m	140 m²	80 kg	76 mm	10	1 400 m <sup>2</sup>
	3 m	210 m <sup>2</sup>	120 kg	100 mm	6	1 260 m <sup>2</sup>
	3 m	210 m <sup>2</sup>	120 kg	100 mm	10	2 100 m <sup>2</sup>
CG 200	1,5 m	90 m²	72 kg	76 mm	12	1 080 m²









#### SAINT-GOBAIN ADFORS CZ s.r.o.

Sokolovská 106 570 01 Litomyšl Czech Republic Tel: +420 461 651 111 glasgrid.cz@saint-gobain.com www.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 GG. 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.
© 2021 Saint-Gobain ADFORS