

General Description

CompoGrid Lite 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 textile. CompoGrid Lite is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. ADFORS GlasGrid CGL conforms to the property values listed below, which have been derived from quality conformance testing performed by an accredited laboratory:

Technical Characteristics

Property	CG 50L	CG 100L	CG 200L	Test Method
Tensile Strength (MD x XD) Ultimate	(55 x 55) - 5 kN/m	(115 x 115) - 15 kN/m	(115 x 215) - 15 kN/m	EN ISO 10319 ASTM D6637
Tensile Elongation Ultimate	2,5 ± 0,5 %	2,5 ± 0,5 %	2,5 ± 0,5 %	EN ISO 10319 ASTM D6637
Tensile Resistance @ 2% Strain (MD x XD)	(46 x 46) ± 10 kN/m	(95 x 95) ± 20 kN/m	(95 x 180) ± 20 kN/m	EN ISO 10319 ASTM D6637
Secant Stiffness EA @ 1% Strain (MD x XD)	(2.200 x 2.200) ± 200 N/mm	(4.600 x 4.600) ± 600 N/mm	(4.600 x 8.600) ± 600 N/mm	EN ISO 10319 ASTM D6637
Young's Modulus E	73.000 MPa	73.000 MPa	73.000 MPa	
Mass per Unit Area	239 g/m ²	439 g/m ²	637 g/m ²	EN ISO 9864 ASTM D5261
Melting Point Coating	>232 °C	>232 °C	>232 °C	ASTM D276/EN ISO 3146
Melting Point Glass	>820 °C	>820 °C	>820 °C	ASTM C338
Roll Length	150 m	100 m	70 m	
Roll Width	1,0; 1,5; 2,0; 3,0 m	1,0; 1,5; 2,0; 3,0 m	1,0; 1,5; 3,0 m	
Roll Area	150, 225, 300, 450 m ²	100, 150, 200, 300 m ²	70, 105, 210 m ²	
Grid Size (Center to Center of Strand)	25 x 25 mm	25 x 25 mm	25 x 19 mm	
Material	Fiberglass reinforcement with modified polymer coating and bonded to a non-woven textile specifically engineered for asphalt overlays.			

Properties

- High grid stiffness provides a wrinkle-free installation and a direct load transmission.
- 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

- CompoGrid Lite 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-woven 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 milled surface or over existing pavement surfaces
- Quick and efficient installation
- Optimum asphalt retention of the nonwoven
- 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
CG50L	1 m	150 m ²	40 kg	76 mm	12	1 800 m ²
	1,5 m	225 m ²	56 kg	76 mm	12	2 700 m ²
	2 m	300 m ²	75 kg	76 mm	6	1 800 m ²
	2 m	300 m ²	75 kg	76 mm	10	3 000 m ²
	3 m	450 m ²	114 kg	100 mm	6	2 700 m ²
	3 m	450 m ²	114 kg	100 mm	10	4 500 m ²
CG100L	1 m	100 m ²	48 kg	76 mm	12	1 200 m ²
	1,5 m	150 m ²	69 kg	76 mm	12	1 800 m ²
	2 m	200 m ²	91 kg	76 mm	6	1 200 m ²
	2 m	200 m ²	91 kg	76 mm	10	2 000 m ²
	3 m	300 m ²	139 kg	100 mm	6	1 800 m ²
	3 m	300 m ²	139 kg	100 mm	10	3 000 m ²
CG200L	1 m	70 m ²	49 kg	76 mm	12	840 m ²
	1,5 m	105 m ²	70 kg	76 mm	12	1 260 m ²
	3 m	210 m ²	141 kg	100 mm	6	1 260 m ²
	3 m	210 m ²	141 kg	100 mm	10	2 100 m ²



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CE Plant Litomyšl (CZ):
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