GlasGrid® CGL

FOR AREA-WIDE REPAIRS

Technical Data Sheet
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General Description

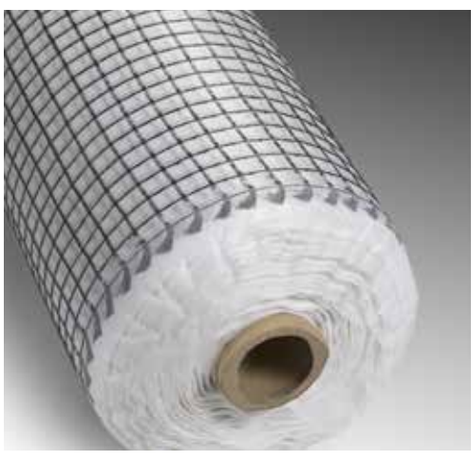
CompoGrid Lite Pavement Reinforcement System and Moisture Barrier System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. CompoGrid is a composite material consisting of fiberglass reinforcement grid coated in a patented 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 a laboratory:

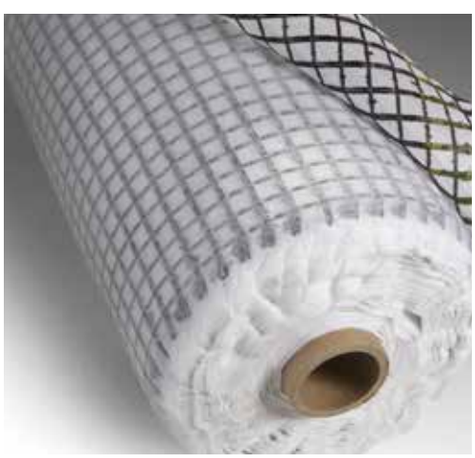
Properties

- High grid stiffness provides a wrinkle-free installation and a direct load transmission.
- Low elongation
- Thermal and chemical stability
- Excellent milling performance

Technical Characteristics

Property	Unit	CG 50L	CG 100L	CG 200L	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 95) ± 20	(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	(4.600 x 8.600) ± 600	EN ISO 10319
Young's Modulus E	MPa	73.000	73.000	73.000	
Mass per Unit Area	g/m²	239	439	637	EN ISO 9864
Melting Point Coating	°C	>232	>232	>232	ASTM D 276
Roll Length	m	150	100	70	
Roll Width	m	1,0; 1,5; 2,0; 3,0	1,0; 1,5; 2,0; 3,0	1,0; 1,5; 3,0	
Roll Area	m²	150, 225, 300, 450	100, 150, 200, 300	70, 105, 210	
Grid Size (Center to Center of Strand)	mm	25 x 25	25 x 25	25 x 19	
Material	Fiberglass reinforcement with modified polymer coating and bonded to a non-woven textile specifically engineered for asphalt overlays.				





ADFORS GlasGrid CGL

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.

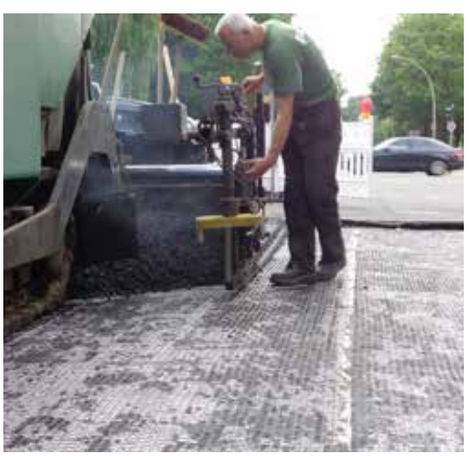
See document Installation Procedures for detailed steps available on our website or watch the video on YOUTUBE ADFORS TV channel.

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
CG 50L	1 m	150 m²	38 kg	76 mm	12	1 800 m²
	1,5 m	225 m²	57 kg	76 mm	12	2 700 m²
	2 m	300 m²	77 kg	76 mm	6	1 800 m²
	2 m	300 m²	77 kg	76 mm	10	3 000 m²
	3 m	450 m²	115 kg	100 mm	6	2 700 m²
	3 m	450 m²	115 kg	100 mm	10	4 500 m²
CG 100L	1 m	100 m²	46 kg	76 mm	12	1 200 m²
	1,5 m	150 m²	69 kg	76 mm	12	1 800 m²
	2 m	200 m²	93 kg	76 mm	6	1 200 m²
	2 m	200 m²	93 kg	76 mm	10	2 000 m²
	3 m	300 m²	139 kg	100 mm	6	1 800 m²
	3 m	300 m²	139 kg	100 mm	10	3 000 m²
CG 200L	1 m	70 m²	47 kg	76 mm	12	840 m²
	1,5 m	105 m²	70 kg	76 mm	12	1 260 m²
	3 m	210 m²	141 kg	100 mm	6	1 260 m²
	3 m	210 m²	141 kg	100 mm	10	2 100 m²



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