

Fiberglass Asphalt Reinforcement for Milled Surfaces



GlasGrid® CGL can extend Pavement life of milled surfaces by up to 300%

Stronger ideas for a sustainable world



GlasGrid® Pavement Reinforcement Retards Reflective Cracking

Product

GlasGrid® CGL is a composite material consisting of a high-tensile fiberglass grid bonded to an open lightweight nonwoven polyester geotextile (~35g/m²). The grid has a high mesh stiffness due to the consistent impregnation of each glass filament with our patented polymer coating in order to reach an effective bonding between asphalt layers. The lightweight geotextile works as a bonding support and offers a high asphalt retention, which ensures a quick and efficient installation.



Universal use

GlasGrid® CGL can be installed directly on milled surfaces without leveling course. This complete road reinforcement system can be used in the construction and concrete joints, for lane widening and for detail or full width repairs. It reinforces asphalt layers, retards reflective cracking and extends pavement life up to 300%.



The key Advantages for You

Installation

- Quick and efficient installation
- Optimum asphalt retention of the nonwoven
- Strong bond on milled surfaces
- Good trafficability (suppliers, trucks, paver)
- Easy cutting

Excellent material characteristics

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

Environment

- Excellent milling performance
- Measured unlimited recyclability

Economical Solution

- Extends pavement life up to 300%
- Reduces maintenance cost
- Value enhancement of the rehabilitated asphalt surface

Technical Properties

	Units	CG50L	CG100L
Tensile strength	kN/m	55 x 55 ± 5	115 x 115 ± 15
Elongation	%	2,5 ± 0,5	
Tensile strength on 2% elongation	kN/m	46 x 46 ± 10	95 x 95 ± 20
Stiffness	N/mm	2.200 x 2.200 ± 200	4.600 x 4.600 ± 600
Modulus of elasticity (E) of glass	MPa	73.000	
Specific weight	g/m ²	237	440
Mesh size	mm	25 x 25	25 x 25
Role width	m	1,00 – 3,00	

Learn more about how our full line of GlasGrid Pavement Reinforcement System products can increase the life of your paving projects.

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*GlasGrid is manufactured at an ISO 9001:2008 registered facility of Saint-Gobain ADFORS.
 GlasGrid is a registered trademark of SAINT-GOBAIN ADFORS. U.S. Patent 8,038,364 and 8,349,431. Japanese Patent 2611064.
 Additional patents pending.
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