

General Description

ADFORS GlasGrid GP (GlasPave™) is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2015 certification and meets the requirements of EN 15381. ADFORS GlasGrid GP is constructed of high strength, continuous fiberglass fibers, coated in a patented elastomeric polymer and embedded between two spun bond polyester textiles conforming to the following test methods and physical properties. Every component of the matrix shall be stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment. ADFORS GlasGrid GP conforms to the property values listed below, which have been derived from quality conformance testing performed by a GAI-LAP accredited laboratory:

Technical Characteristics

| Property | GP 25 | GP 50 | Test Method |
|---|--|--|--------------------------------|
| Tensile Strength (MD x XD) Ultimate | (30 x 30) - 5 kN/m | (60 x 60) - 10 kN/m | ASTM D5035 EN ISO 10319 |
| Tensile Elongation Ultimate | 3,5 ± 1,5 % | 3,5 ± 1,5 % | ASTM D5035 EN ISO 10319 |
| Secant Stiffness EA @ 1% Strain (MD x XD) | (855 x 855) ± 200 N/mm | (1.715 x 1.715) ± 430 N/mm | ASTM D6637 EN ISO 10319 |
| Young's Modulus E | 73.000 MPa | 73.000 MPa | |
| Mass per Unit Area | 136 g/m ² | 237 g/m ² | ASTM D5261 EN ISO 9864 |
| Asphalt Retention | 0,47 l/m ² | 0,47 l/m ² | ASTM D6140 EN 15381 Annex C |
| Melting Point | >232 °C | >232 °C | ASTM D276 EN ISO 3146 |
| Roll Size | 1,27 x 228,60 m 1,91 x 228,60 m 1,91 x 914,40 m 3,05 x 109,73 m 3,05 x 548,64 m 3,81 x 109,73 m 3,81 x 548,64 m | 1,91 x 109,73 m 3,05 x 65,84 m 3,05 x 274,32 m 3,81 x 65,84 m 3,81 x 274,32 m | |
| Roll Area | 290 m ² 437 m ² 1 747 m ² 335 m ² 1 673 m ² 418 m ² 2 090 m ² | 210 m ² 201 m ² 837 m ² 251 m ² 1 045 m ² | |

GlasPave™ is designed to meet ASTM D7239, "Hybrid Geosynthetic Paving Mat for Highway Applications" Type 1

Properties

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

- GlasPave 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. The general recommended rate of distribution shall be 0.7 l/m².
- Unroll the geogrid with lighter colored side of fabric 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

- Strong and effective moisture-resistant membrane
- Universal application on milled surface or over existing pavement surfaces
- Quick and efficient installation
- Lower level of asphalt binder required and smaller project carbon footprint
- High-tensile strength product
- 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 in a pack | Total area |
|---------|------------|----------------------|-------------|---------------------|-----------------------|----------------------|
| GP25 | 1,27 m | 290 m ² | 45 kg | 102 mm | 3 | 870 m ² |
| | 1,91 m | 437 m ² | 68 kg | 102 mm | 3 | 1 311 m ² |
| | 1,91 m | 1 747 m ² | 272 kg | 102 mm | 3 | 5 241 m ² |
| | 3,05 m | 335 m ² | 48 kg | 102 mm | 3 | 1 005 m ² |
| | 3,05 m | 1 673 m ² | 238 kg | 102 mm | 3 | 5 019 m ² |
| | 3,81 m | 418 m ² | 68 kg | 102 mm | 3 | 1 254 m ² |
| GP50 | 3,81 m | 2 090 m ² | 340 kg | 102 mm | 3 | 6 270 m ² |
| | 1,91 m | 210 m ² | 68 kg | 102 mm | 3 | 630 m ² |
| | 3,05 m | 201 m ² | 54 kg | 102 mm | 3 | 602 m ² |
| | 3,05 m | 837 m ² | 227 kg | 102 mm | 3 | 2 511 m ² |
| | 3,81 m | 251 m ² | 68 kg | 102 mm | 3 | 753 m ² |
| | 3,81 m | 1 045 m ² | 284 kg | 102 mm | 3 | 3 153 m ² |




SAINT-GOBAIN ADFORS CZ s.r.o.
 Sokolovská 106
 570 01 Litomyšl
 Czech Republic
 Tel: +420 461 651 111
glasgrid.eu@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 GP. 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.

CE Plant Albion (US):
 0799-123
 2012

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.
 © 2019 Saint-Gobain ADFORS

TROUBLE WITH YOUR ROAD?
 Try the GlasGrid app to fix it!



