

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 needed 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

| 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 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 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/m ² | 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 | m ² | 100, 150, 200, 300 | 70, 105, 140, 210 | 90 | |
| Grid Size (Center to Center of Strand) | mm | 25 x 25 | 25 x 25 | 25 x 19 | |
| Material | Fiberglass reinforcement with modified polymer coating 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



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 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 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 ² | 36 kg | 76 mm | 12 | 1 200 m ² |
| | 1,5 m | 150 m ² | 53 kg | 76 mm | 12 | 1 800 m ² |
| | 2 m | 200 m ² | 72 kg | 76 mm | 6 | 1 200 m ² |
| | 2 m | 200 m ² | 72 kg | 76 mm | 10 | 2 000 m ² |
| | 3 m | 300 m ² | 108 kg | 100 mm | 6 | 1 800 m ² |
| | 3 m | 300 m ² | 108 kg | 100 mm | 10 | 3 000 m ² |
| CG 100 | 1 m | 70 m ² | 40 kg | 76 mm | 12 | 840 m ² |
| | 1,5 m | 105 m ² | 59 kg | 76 mm | 12 | 1 260 m ² |
| | 2 m | 140 m ² | 80 kg | 76 mm | 6 | 840 m ² |
| | 2 m | 140 m ² | 80 kg | 76 mm | 10 | 1 400 m ² |
| | 3 m | 210 m ² | 120 kg | 100 mm | 6 | 1 260 m ² |
| | 3 m | 210 m ² | 120 kg | 100 mm | 10 | 2 100 m ² |
| CG 200 | 1,5 m | 90 m ² | 72 kg | 76 mm | 12 | 1 080 m ² |




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CE Plant Litomyšl (CZ):
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