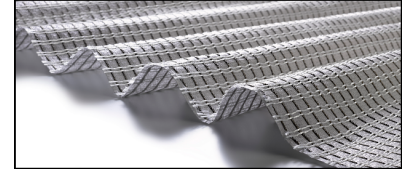


# MIRAGRID PGM-B

MIRAGRID® PGM-B paving composites are made of mechanically bonded 100 % PP continuous filament nonwoven reinforced by high modulus Basalt filament yarns. PGM-B was especially developed to bridge longitudinal cracks or joints. In accordance to EN 15381, the main functions are Stress Relief (STR), Sealing (B) and Reinforcement (R). The product is used between asphalt layers, applied directly on concrete surfaces or on cement stabilized layers.



| Properties                                                                                                                                      | Test method                                                                                                 | Unit              | PGM B 100/100                                                                  | PGM B 100/200 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------|---------------|
| Functions                                                                                                                                       | EN 15381                                                                                                    | -                 | STR + B + R                                                                    | STR + B + R   |
| Type of product                                                                                                                                 | Asphalt Geocomposite, mechanically bonded continuous filament non woven with mineral filament reinforcement |                   |                                                                                |               |
| Raw material                                                                                                                                    | 100% polypropylene, UV stabilized and alkali resistant mineral filaments with high affinity to bitumen      |                   |                                                                                |               |
| Tensile strength (MD*)                                                                                                                          | EN ISO 10319                                                                                                | kN/m              | 100                                                                            | 100           |
| Tensile strength (CMD*)                                                                                                                         | EN ISO 10319                                                                                                | kN/m              | 100                                                                            | 200           |
| Tensile strength at 1.5% (MD*)                                                                                                                  | EN ISO 10319                                                                                                | kN/m              | 70                                                                             | 70            |
| Tensile strength at 1.5% (CMD*)                                                                                                                 | EN ISO 10319                                                                                                | kN/m              | 80                                                                             | 170           |
| Elongation at break (MD*)                                                                                                                       | EN ISO 10319                                                                                                | %                 | 2.5                                                                            | 2.5           |
| Elongation at break (CMD*)                                                                                                                      | EN ISO 10319                                                                                                | %                 | 1.7                                                                            | 1.7           |
| Bitumen retention                                                                                                                               | EN 15381                                                                                                    | kg/m <sup>2</sup> | 1.1                                                                            | 1.1           |
| <small>Bitumen required to saturate paving fabric only. Value does not indicate the bitumen application rate required for construction.</small> |                                                                                                             |                   | -                                                                              | -             |
| E-Modulus (glass)                                                                                                                               | E-Modulus                                                                                                   | MPa               | 80 000                                                                         | 80 000        |
| E-Modulus (mineral fibre)                                                                                                                       | E-Modulus                                                                                                   | MPa               | 89 000                                                                         | 89 000        |
| Mesh size (indicative)                                                                                                                          | MD/CMD                                                                                                      | mm                | 17 x 17                                                                        | 10 x 17       |
| Mass of nonwoven                                                                                                                                | EN ISO 9864                                                                                                 | g/m <sup>2</sup>  | 140                                                                            | 140           |
| Mass per unit area                                                                                                                              | EN ISO 9864                                                                                                 | g/m <sup>2</sup>  | 570                                                                            | 750           |
| Melting point                                                                                                                                   | EN 3146                                                                                                     | °C                | Reinforcing filaments are incombustible and temperature resistant up to 400° C |               |
| <b>Form of Supply</b>                                                                                                                           |                                                                                                             |                   |                                                                                |               |
| Width                                                                                                                                           |                                                                                                             | m                 | 0.95 / 1.90                                                                    | 0.95 / 1.90   |
| Length                                                                                                                                          |                                                                                                             | m                 | 100                                                                            | 75            |
| Area                                                                                                                                            |                                                                                                             | m <sup>2</sup>    | 95 / 190                                                                       | 71.25 / 114   |
| Roll weight                                                                                                                                     |                                                                                                             | kg                | 58 / 115                                                                       | 57 / 115      |
| Rolls per pallet                                                                                                                                |                                                                                                             | -                 | 12                                                                             | 12            |
| Roll diameter                                                                                                                                   |                                                                                                             | m                 | 0.42                                                                           | 0.40          |
| Inner core diameter                                                                                                                             |                                                                                                             | m                 | 0.12                                                                           | 0.12          |

## Notes

\* MD = Machine Direction / CMD = Cross Machine Direction STR = Stress Relief / B = Barrier / R = Reinforcement

The values are average values obtained in our laboratories and in accredited institutes. The information given in this datasheet is to the best of our knowledge true and correct. However, new research results and practical experience can make revisions necessary. The right is reserved to make any change without notice at any time. No guarantee or liability can be drawn from the information mentioned herein.

The rolls must be kept in dry place! Guidelines must be observed.

100 % recyclable with conventional methods

## Certification and Accreditation



Tel.: +43 (0)732 6983 0, [service.at@solmax.com](mailto:service.at@solmax.com)

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