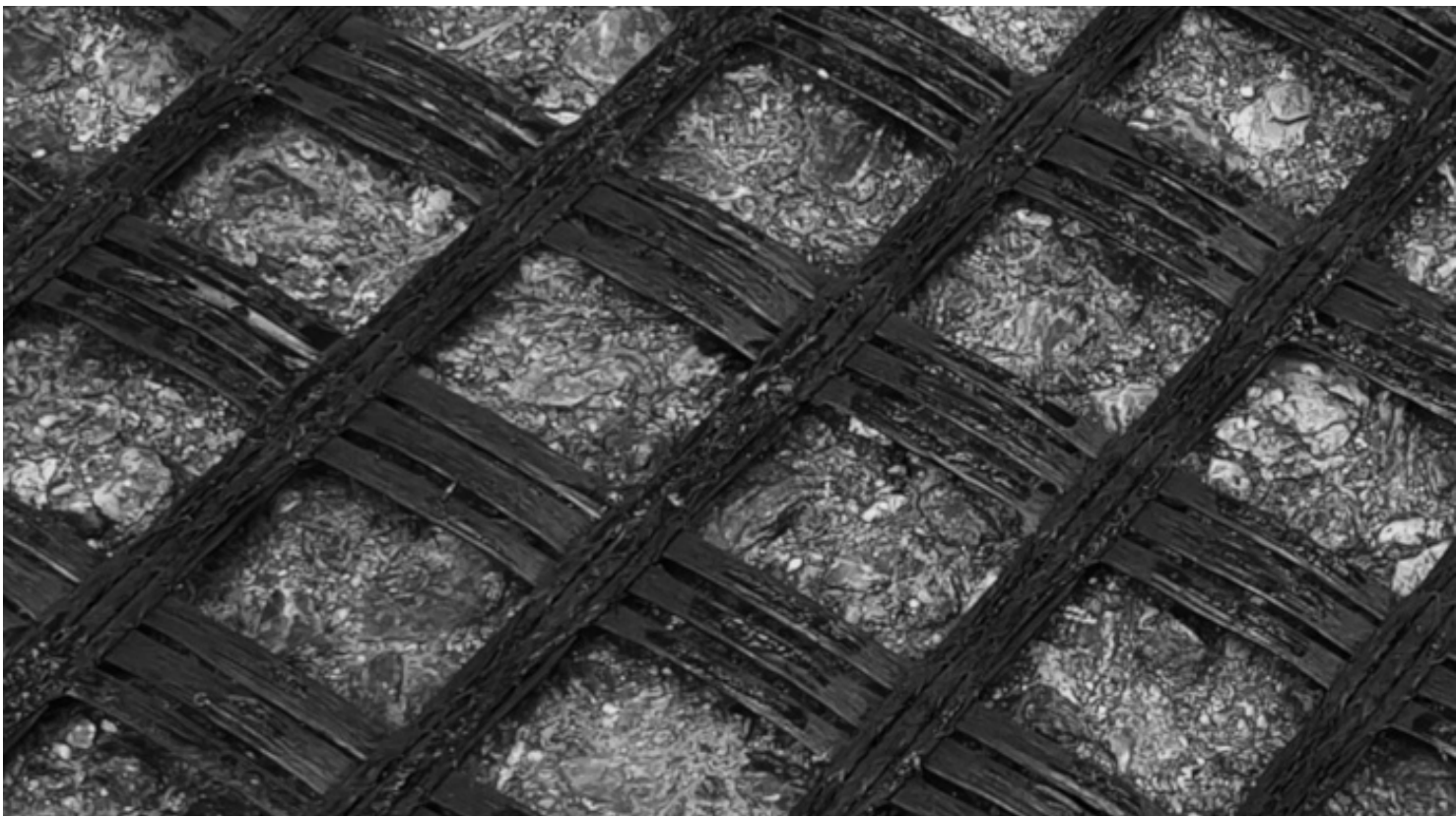


# ProGrid® GBS Glass Fibre Self-Adhesive Geogrids

## Glass Fibre Asphalt Geogrid with Self-Adhesive Backing

Provides a good bond with asphalt in managing reflective / stress cracks



### Product Information

ProGrid® GBS is a high modulus Glass Fibre geogrid with a modified pitch coating, complimenting the self-adhesive backing to provide a good bond with asphalt layers with increased chemical resistance. ProGrid® GBS series can not only increase the tensile strength of the asphalt layer(s) and extend the service life of pavement layer(s), but also decreases the occurrence rate, magnitude and severity of reflective cracking under cyclic traffic loads including the retardation of stress cracks associated with joint interfaces. With a high modulus, high temperature resistance and high bonding properties, ProGrid® GBS can be used below asphalt overlays or as an asphalt interlayer in new roads or rehabilitation works for reinforcement.

### Applications

- Local road and highway pavements
- Composite pavements
- Airport pavements
- Road resurfacing, widening and repair
- Joint interfaces

# ProGrid® GBS Glass Fibre Self-Adhesive Geogrids

## Product Data Sheet

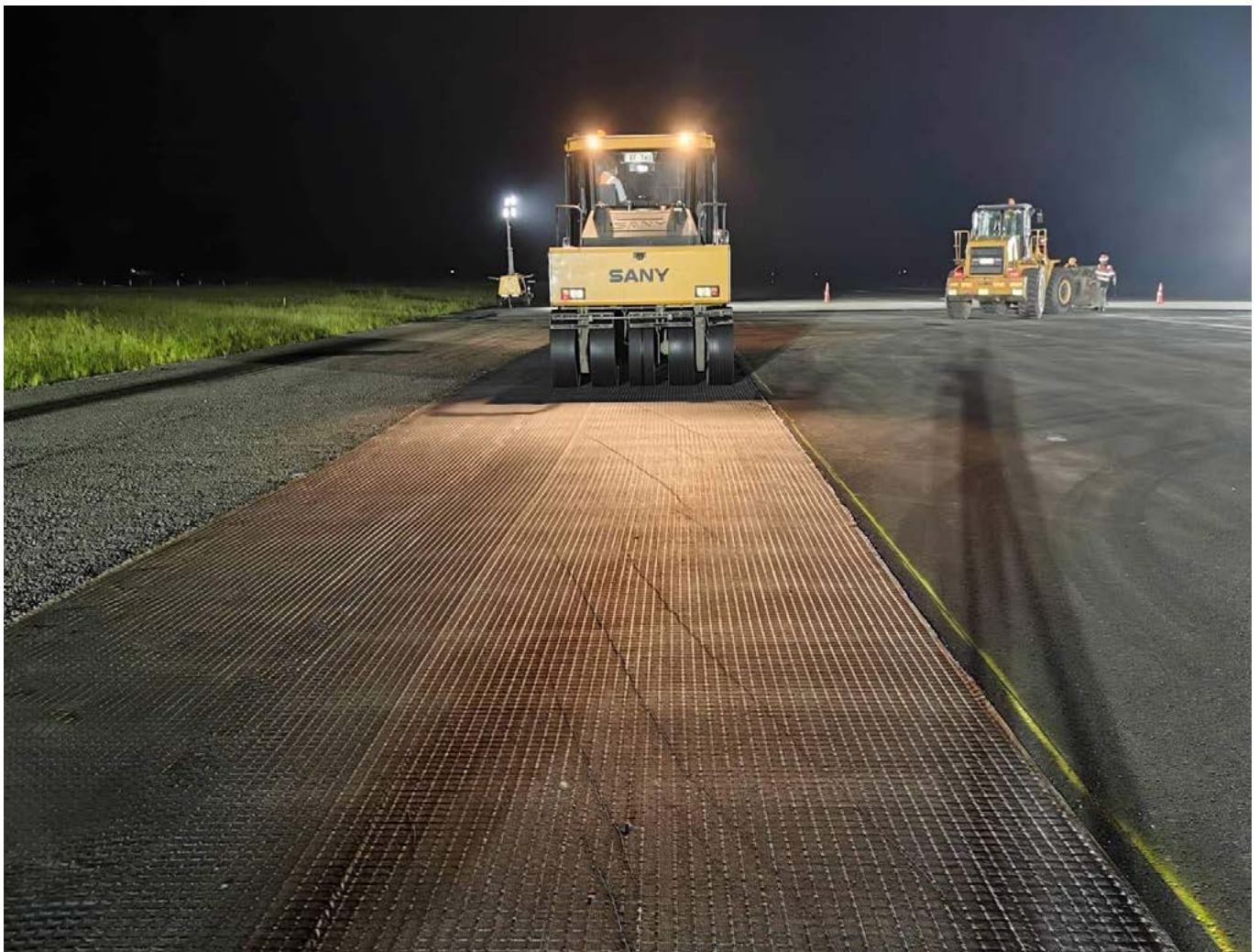
## Product Grade

| Typical Properties                         | Test Method   | Units | GBS 50/50** | GBS 100/100** |
|--------------------------------------------|---------------|-------|-------------|---------------|
| Ultimate Tensile Strength (MD/CMD)         | ASTM D6637    | kN/m  | ≥ 50 / 50   | ≥ 100 / 100   |
| Elongation at Break (MD/CMD)               | ASTM D6637    | %     | 3           | 3             |
| Tensile Strength at 2% elongation (MD/CMD) | ASTM D6637    | kN/m  | ≥ 40/40     | ≥ 75/75       |
| Aperture Size                              |               | mm    | 25          | 25            |
| Installation Damage Resistance             | EN ISO 10722  | %     | ≥ 90        | ≥ 90          |
| Melting Point                              | ASTM D276-00a | °C    | ≥ 800       | ≥ 800         |
| Self-adhesive backing                      |               |       | Yes         | Yes           |
| Standard Roll Width                        |               | m     | 3.9         | 3.9           |
| Standard Roll Length                       |               | m     | 50          | 50            |

MD = Machine Direction, CMD = Cross Machine Direction

\* Other roll dimensions are available to suit project requirements.

\*\* May require an extended lead time, please contact Global Synthetics.



# About Us

## Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthetic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

## Get in Touch

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