



## GERUN® Glasbit™

## Technical Data Sheet

GERUN® Glasbit™ is characterized by high tensile GE glassfiber is adopted and wove by warp knitting technique into grid base fabrics and after covered with a modified pitch coating. Reinforcement of asphalt pavement, and reduce construction costs increase service life of road and repair or prevent deflection cracks.



GERUN® Glasbit™

## Product properties

| Physical properties            | Unit  | Glasbit-30/30                           | Glasbit-50/50 | Glasbit-80/80 | Glasbit-100/100 | Glasbit-120/120 | Glasbit-150/150 | Glasbit-200/100 | Glasbit-200/200 | Test method |
|--------------------------------|-------|-----------------------------------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| Material                       |       | Glassfiber Coated with modified bitumen |               |               |                 |                 |                 |                 |                 |             |
| Aperture Size ± 20%            | mm    | 25×25                                   | 25×25         | 25×25         | 25×25           | 25×25           | 25×25           | 25×25           | 25×25           |             |
| Self Adhesive                  |       | According to customer's requests        |               |               |                 |                 |                 |                 |                 |             |
| Stiffness Module               | N/m   |                                         |               |               |                 | 3500            |                 |                 |                 |             |
| Elasticity Modulus             | MPa   |                                         |               |               |                 | 67000           |                 |                 |                 |             |
| Young's Modulus                | MPa   |                                         |               |               |                 | 73000           |                 |                 |                 |             |
| Melting Point                  | ℃     |                                         |               |               |                 | 280             |                 |                 |                 | ASTM D 276  |
| <b>Mechanical properties</b>   |       |                                         |               |               |                 |                 |                 |                 |                 |             |
| Tensile Strength - MD          | KN/m  | 30                                      | 50            | 80            | 100             | 120             | 150             | 200             | 200             | ASTM D 6637 |
|                                | lb/ft | 2055                                    | 3425          | 5480          | 6850            | 8220            | 10275           | 13700           | 13700           |             |
| Tensile Strength - CD          | KN/m  | 30                                      | 50            | 80            | 100             | 120             | 150             | 100             | 200             | ASTM D 6637 |
|                                | lb/ft | 2055                                    | 3425          | 5480          | 6850            | 8220            | 10275           | 6850            | 13700           |             |
| Elongation - MD&CD             | %     | 3                                       | 3             | 3             | 3               | 3               | 3               | 3               | 3               | ASTM D 6637 |
| Unit weight                    | g/m²  | 230                                     | 300           | 360           | 480             | 560             | 760             | 760             | 970             |             |
| width                          | m     | 5                                       | 5             | 5             | 4               | 4               | 4               | 4               | 4               |             |
| Roll length                    | m     | 50                                      | 50            | 50            | 50              | 50              | 50              | 50              | 50              |             |
| <b>Application</b>             |       | Surface Reinforcement for asphalt road  |               |               |                 |                 |                 |                 |                 |             |
| 20' container capacity-approx. | m²    | 28,000                                  | 25,000        | 22,000        | 19,250          | 18,000          | 15,000          | 16,000          | 12,000          |             |
| 40' container capacity-approx. | m²    | 55,000                                  | 50,000        | 44,000        | 3,8500          | 36,000          | 30,000          | 32,000          | 24,000          |             |
| 40HQ container-approx.         | m²    | 60,000                                  | 55,000        | 48,000        | 42,000          | 38,000          | 32,000          | 35,000          | 26,000          |             |

**Note:**

- 1.Aperture Size:
- 2.The Table Width Is Max Width, We Can According Customer's Requests And Capacity Load Maybe Change.
- 3.All Our Technical Characteristic Are Indicative.