

## TechGrid TGB 30

### High Performance Biaxial Geogrid

TechGrid B-3 is a biaxial geogrid manufactured from select grades of high tenacity, high molecular weight, and low carboxyl end group polyester yarn to ensure high strengths, low creep and excellent durability. The yarns are formed into a dimensionally stable grid structure with uniform apertures, using an advanced weft insertion warp knitting process and are then given a tough and durable polymeric coating to enhance dimensional stability, resistance to installation damage and durability. TechGrid B-3 is suitable for the reinforcement of soils and other granular materials where strength in both directions is important, including: Roadway base reinforcement and area stabilization/reinforcement

#### TechGrid B-3 Product Properties

|              |                  |
|--------------|------------------|
| Polymer type | Polyester        |
| Structure    | Knitted & Coated |
| pH range     | 2 - 10           |

| <i>Property</i>                             |          | <i>Test Method</i> | <i>Value</i> |            |
|---|----------|--------------------|--------------|------------|
| Ultimate tensile strength <sup>1</sup>      | MD       | ASTM D 6637        | 30 kN/m      |            |
|   | CMD      |                    | 30 kN/m      |            |
| Elongation at break <sup>2</sup>            | MD       |                    | 12 %         |            |
|   | CMD      |                    | 12 %         |            |
| Tensile strength at 2 % strain <sup>1</sup> | MD       |                    | 7.0 kN/m     |            |
|   | CMD      |                    | 7.0 kN/m     |            |
| Tensile strength at 5 % strain <sup>1</sup> | MD       |                    | 11.5 kN/m    |            |
|   | CMD      |                    | 11.5 kN/m    |            |
| Aperture size <sup>3</sup>                  | MD x CMD |                    |              | 27 x 27 mm |

<sup>1</sup> Minimum average roll value

<sup>2</sup> Maximum average roll value

<sup>3</sup> Typical value

|                        |             |             |
|------------------------|-------------|-------------|
| <b>Forms of supply</b> | Roll length | Roll width  |
|                        | 100 / 50 m  | 5.0 / 2.5 m |

The above specifications are effective from 01 – 06 – 2005. Techfab India reserve the right to change the specifications without prior notice.

### Techfab India

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