

# TEXEL GVG COCO WOVEN

## TECHNICAL DATASHEET

|                          |                           |
|--------------------------|---------------------------|
| Geovegetation (GVG) type | Woven erosion control mat |
| Composition              | Coir fibers               |
| Main function            | Protection                |

| Property                                  | Test method | COCO WOVEN 400                  | COCO WOVEN 700       | COCO WOVEN 900       | COCO WOVEN D-70      |
|-------------------------------------------|-------------|---------------------------------|----------------------|----------------------|----------------------|
| Physical                                  |             |                                 |                      |                      |                      |
| Material                                  | -           | High resistance coir fibers mat |                      |                      |                      |
| Surface weight (min)                      | ASTM D6525  | 400 g/m <sup>2</sup>            | 700 g/m <sup>2</sup> | 900 g/m <sup>2</sup> | 780 g/m <sup>2</sup> |
| Thickness                                 | ASTM D5199  | 8.9 mm                          | 8.9 mm               | 8.9 mm               | 9 mm                 |
| Color                                     | -           | Natural (earth tone)            |                      |                      |                      |
| % opening                                 | -           | 65%                             | 50%                  | 39%                  | 48%                  |
| Mechanical                                |             |                                 |                      |                      |                      |
| Wide width tensile strength dry (MD x CD) | ASTM D4595  | 7.4 X 7.0 kN/m                  | 22.1 X 15.1 kN/m     | 28.8 X 20.7 kN/m     | 25.4 X 17.2 kN/m     |
| Max elongation dry (MD x CD)              | ASTM D4595  | 33% x 31%                       | 40% x 33%            | 46% x 34%            | -                    |
| Wide width tensile strength wet (MD x CD) | ASTM D4595  | 6.7 x 5.3 kN/m                  | 13.5 x 10.0 kN/m     | 18.4 x 11.2 kN/m     | 21.7 x 15.1 kN/m     |
| Max elongation wet (MD x CD)              | ASTM D4595  | 36% x 31%                       | 69% x 34%            | 43% x 36%            | 38% x 25%            |
| Flexural resistance (MD x CD)             | ASTM D1388  | 4.1 x 3.9 mg-cm                 | 12.9 x 8.1 mg-cm     | 14.0 x 9.3 mg-cm     | -                    |
| Max shear resistance                      | -           | 22.1 kPa                        | 31.0 kPa             | 41.4 kPa             | -                    |
| Hydraulic                                 |             |                                 |                      |                      |                      |
| Max velocity                              | -           | 2.4 m/sec                       | 3.7 m/sec            | 4.9 m/sec            | 3.7 m/sec            |
| Water absorption                          | ASTM D1117  | 163%                            | 146%                 | 132%                 | -                    |
| Dimensions                                |             |                                 |                      |                      |                      |
| Width                                     | -           | 2.0 m                           |                      |                      |                      |
| Length                                    | -           | 50 m                            |                      |                      |                      |

This technical information comes from the manufacturer and was transcribed by Texel.  
Properties are based on typical values.

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