

# TEXEL GVG COCO & STRAW

## TECHNICAL DATASHEET

|                                 |  |
|---------------------------------|--|
| <b>Geovegetation (GVG) type</b> | Natural fiber erosion control mat                  |
| <b>Composition</b>              | Coconut and/or straw fibers with polypropylene net |
| <b>Main function</b>            | Protection   |

| Property                          | Test method         | STRAW 1F               | STRAW 2F       | STRAW-COCO 2F          | COCO 2F                |
|-----------------------------------|---------------------|------------------------|----------------|------------------------|------------------------|
| <b>Physical</b>                   |                     |                        |                |                        |                        |
| Fibers                            | -                   | Straw                  |                | 70% Straw & 30% coco   | Coco                   |
| Surface weight ( $\pm 10\%$ )     | ASTM D6475          | 0.27 kg/m <sup>2</sup> |                | 0.27 kg/m <sup>2</sup> | 0.27 kg/m <sup>2</sup> |
| Thickness                         | ASTM D6525          | 7.9 mm                 |                | 6.9 mm                 | 6.6 mm                 |
| Top net opening <sup>(1)</sup>    | -                   | 12.7 x 12.7 mm         |                | 19.1 x 19.1 mm         | 19.1 x 19.1 mm         |
| Bottom net opening <sup>(1)</sup> | -                   | -                      | 12.7 x 12.7 mm | 12.7 x 12.7 mm         | 19.1 x 19.1 mm         |
| Light penetration                 | ASTM D6567          | 21.6%                  | 26.4%          | 15.0%                  | 23.1%                  |
| Germination improvement           | ASTM D7322 / ECTC 4 | 476%                   | 501%           | 345%                   | 415%                   |
| <b>Mechanical</b>                 |                     |                        |                |                        |                        |
| Tensile strength (MD X CD)        | ASTM D6818          | 1.9 X 0.7 kN/m         | 2.9 X 1.4 kN/m | 3.0 X 2.1 kN/m         | 4.6 X 2.5 kN/m         |
| Max elongation (MD X CD)          | ASTM D6818          | 28 x 26 %              | 33 x 26 %      | 28 x 37 %              | 29 x 44%               |
| Shear resistance                  | -                   | 74 Pa                  | 84 Pa          | 96 Pa                  | 108 Pa                 |
| Resiliency                        | ASTM D6524          | 65%                    | 61%            | 74%                    | 83%                    |
| <b>Hydraulic</b>                  |                     |                        |                |                        |                        |
| Water absorption                  | ASTM D1117 / ECTC   | 447%                   | 460%           | 415%                   | 234%                   |
| Max velocity                      | -                   | 1.4 m/s                | 2.1 m/s        | 2.6 m/s                | 2.7 m/s                |
| <b>Dimensions</b>                 |                     |                        |                |                        |                        |
| Width                             | -                   | 2.4 m                  |                |                        |                        |
| Length                            | -                   | 34.3 m                 |                |                        |                        |

This technical information comes from the manufacturer and was transcribed by Texel.

All values are Typical

1 - Photodegradable net

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