

# TECHNICAL DATA SHEET

## Texel Tex-O-Flex



|                      |                                       |
|----------------------|---------------------------------------|
| <b>Product</b>       | Geocomposite                          |
| <b>Composition</b>   | PVC Geomembrane / Nonwoven Geotextile |
| <b>Main Function</b> | Protection - Drainage                 |

The Texel Tex-O-Flex is a protection composite material made of a PVC geomembrane extruded over a needlepunched nonwoven geotextile. Its multilayer design controls the effects of freezing-thawing on manholes and catch basins limiting misalignment of concrete sections. This product is an economical and efficient solution which minimizes damage caused to frost-susceptible soils of the road network.

| Property                                   | Test Method | Metric                                 |
|--|-------------|--|
| <b>Physical</b>                            |             |  |
| Weight                                     | ASTM D5261  | 825 g/m <sup>2</sup>                   |
| Thickness                                  | ASTM D5199  | 3.0 mm                                 |
| Manufacturing Process                      | -           | Extruded coating                       |
| <b>Mechanical</b>                          |             |  |
| Elongation at Break CD <sup>(1)</sup>      | ASTM D4632  | 80 - 140%                              |
| Tensile Strength CD <sup>(1)</sup>         | ASTM D4632  | 1 600 N                                |
| Tear Strength                              | ASTM D4533  | 610 N                                  |
| Resistance at Low Temperature              | -           | -30 °C                                 |
| Geotextile/Geomembrane Adhesion            | ASTM D751   | Passed                                 |
| PCBR Puncture Resistance                   | ASTM D6241  | 3 065 N                                |
| <b>Hydraulic Geotextile <sup>(2)</sup></b> |             |  |
| Hydraulic Transmissivity (i=1; 8 kPa)      | ASTM D4716  | 6x10 <sup>-5</sup> m <sup>2</sup> /sec |
| <b>Dimensions</b>                          |             |  |
| Roll Width                                 | -           | 1.83 m                                 |
| Roll Length                                | -           | 30 m                                   |

### Revision : 2022-06-02

Properties are expressed in minimum average roll value (MARV) unless otherwise specified. Our quality management system is certified by ISO-9001 standard. Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Programm (GAI-LAP).

The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

All values are MARV except for ASTM D4632 and D4533 that are typical values.

1 - Cross direction (CD) is the direction solicited during use.

2 - Tested on geotextile before PVC extrusion.

Texel reserves the right to modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

**ALKEGEN**