

## Technical data sheet

### BC GeoTextile

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The BC range of Staple Fibre Needle Punched and Thermally Bonded Nonwoven Geotextiles have been designed to offer optimum performance per unit weight.

Their resulting mechanical robustness and excellent hydraulic properties make them the ideal choice for separation and filtration. Produced on state of the artequipment, BC geotextile range sets standards in terms of quality and mechanical performance.



Typical applications for BC Geo textile include:

#### Typical Uses and Applications:

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| As a general purpose separator for use under site access roads and areas of hard standing         |
| As a separation and strengthening layer under new roadways, car parks, industrial units etc.      |
| As a filter surround in the construction of a French drain or granular drainage blanket           |
| For separation: to prevent the intermixing of dissimilar soil layers                              |
| For filtration: to allow the passage of fluids whilst preventing the uncontrolled passage of soil |

| Properties                          | Test Method  | Unit  | BC Geo     |
|-------------------------------------|--------------|-------|------------|
| <b>Tensile Strength – MD</b>        | EN ISO 10319 | kN/m  | 8.4        |
| <b>Tensile Strength – XD</b>        | EN ISO 10319 | kN/m  | <b>9.8</b> |
| <b>Elongation at Break – MD</b>     | EN ISO 10319 | %     | 85.0       |
| <b>Elongation at Break – XD</b>     | EN ISO 10319 | %     | 60.0       |
| <b>CBR Puncture Resistance</b>      | EN ISO 10319 | N     | 1500       |
| <b>Dynamic Core Drop</b>            | EN ISO 10319 | Mm    | 25.0       |
|                                     |              |       |            |
| <b>Hydraulic Properties</b>         | Test Method  | Units | BC Geo     |
| <b>Characteristics Opening size</b> | EN ISO       | UM    | 180.0      |



|                                      |                  |                        |              |
|--------------------------------------|------------------|------------------------|--------------|
|                                      | 10319            |                        |              |
| <b>Permeability</b>                  | EN ISO<br>10319  | m/s                    | 110x103      |
| <b>Waterflow normal to the plane</b> | EN ISO<br>10319  | l/m <sup>2</sup><br>.s | 120          |
|                                      |                  |                        |              |
| Physical Properties                  | Test Method      | Unit<br>s              | BC Geo       |
| <b>Thickness Under 2kPa</b>          | EN ISO<br>9863-1 | mm                     | 0.85         |
| <b>Weight</b>                        | EN ISO<br>9864   | g/m <sup>2</sup>       | 140          |
| <b>Roll Size</b>                     |                  | m                      | 4.5x100<br>m |
| <b>Roll Diameter (+/- 10%)</b>       |                  | cm                     | 30           |

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