

# Carbocomp Textile 300

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| <b>Description</b>              | Unidirectional carbon fiber textile with carbon fibers in the longitudinal direction. This textile is protected against pollution by a membrane.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Where to use</b>             | <p>Increase of the bearing capacity of columns for bridges and buildings.</p> <ul style="list-style-type: none"> <li>• Increase of the shear strength of beams for example, in the following cases:</li> <li>• Repair of the original bearing capacity, like after a fire or corrosion of the rebar's.</li> <li>• To increase the load bearing capacity of beams and columns.</li> <li>• To repair errors during construction.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Advantages</b>               | <ul style="list-style-type: none"> <li>• High tensile strength and stiffness</li> <li>• Easy to apply.</li> <li>• Very little creep.</li> <li>• Flexible in use.</li> <li>• Excellent corrosion, acid and alkali resistance.</li> <li>• High durability.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Properties</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight (g/m <sup>2</sup> )      | 200 - 230 - 300<br>400 - 530 - 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Thickness* (mm)                 | 0.11 - 0.13 - 0.17<br>0.25 - 0.29 - 0.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Roll width                      | 500 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Roll length                     | 50 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tensile strength                | 4900 MPa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Stiffness                       | 240 GPa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Max. elongation                 | 2.1 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Water absorption                | < 0.1 % by weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Application temp.               | -40 °C till +130 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Packaging</b>                | 150 m. roll                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Shelf life &amp; Storage</b> | Unlimited if stored in appropriate conditions .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Health and Safety</b>        | <ul style="list-style-type: none"> <li>• Use goggles, gloves and a breathing mask when applying.</li> <li>• Apply forced ventilation in confined spaces.</li> <li>• Remove splashes from skin with hand cleaner or soap and water.</li> <li>• Eye splashes to be washed with plenty of water.</li> <li>• If ingested seek medical advice.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Additional Information</b>   | <ul style="list-style-type: none"> <li>• <b>PROKEM</b> provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</li> <li>• <b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.</li> <li>• <b>PROKEM</b> reserves the right to change the properties of its products.</li> <li>• All orders are accepted subject to our current term of sale &amp; delivery.</li> <li>• Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</li> <li>• <b>PROKEM</b> extends technical services to include after sales support to assist users' in a proper handling of our products.</li> </ul> |