

# Selection Guidelines For Load Support Applications

|                               | Load Description  | System Components   |   |  |
|-------------------------------|---|---|---|--|
|                               |   | Subgrade CBR 1% - 2%  | Subgrade CBR 2% - 4%  | Subgrade CBR > 4%  |
| <b>SSP Geocell</b>            | Car & Pick-up Truck Access<br>(Axle Loads: 18 kN (4 kips))                            | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul>                           | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>3" (75mm) SSP Geocell section with topsoil/aggregate infill</li> </ul>  |
|                               | Maintenance Truck Access<br>(H10 Loading)<br>Axle Loads: 75 kN (16kips)               | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>6" (150mm) base</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> </ul> |
|                               | Fire Truck Access<br>(H20 & H15 Loading)<br>Axle Loads: 110 kN<br>(24 kips - 32 kips) | <ul style="list-style-type: none"> <li>6" (150mm) SSP Geocell section with topsoil/aggregate infill</li> <li>8" (200mm) base</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>6" (150mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> </ul> |
| <b>TurfPaver®</b>             | Car & Pick-up Truck Access<br>(Axle Loads: 18 kN (4 kips))                            | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>3" (75mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> <li>Geotextile underlayer</li> </ul>                         | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> </ul>                         |
|                               | Maintenance Truck Access<br>(H10 Loading)<br>Axle Loads: 75 kN (16kips)               | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>2" (50mm) topsoil/aggregate base</li> <li>Geotextile underlayer</li> </ul>   | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> </ul>                         |
|                               | Fire Truck Access<br>(H20 & H15 Loading)<br>Axle Loads: 110 kN<br>(24 kips - 32 kips) | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>6" (150mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>6" (150mm) topsoil/aggregate base</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>4" (100mm) topsoil/aggregate base</li> </ul>  |
| <b>TurfPaver®/SSP Geocell</b> | Car & Pick-up Truck Access<br>(Axle Loads: 18 kN (4 kips))                            | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>3" (75mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> <li>Geotextile underlayer</li> </ul>                         | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> </ul>                         |
|                               | Maintenance Truck Access<br>(H10 Loading)<br>Axle Loads: 75 kN (16kips)               | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>4" (100mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>2" (50mm) topsoil/aggregate base</li> <li>Geotextile underlayer</li> </ul>   | <ul style="list-style-type: none"> <li>TurfPaver® units with topsoil infill</li> </ul>                         |
|                               | Fire Truck Access<br>(H20 & H15 Loading)<br>Axle Loads: 110 kN<br>(24 kips - 32 kips) | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>6" (150mm) SSP Geocell section with topsoil/aggregate infill</li> <li>Geotextile underlayer</li> </ul> | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>6" (150mm) topsoil/aggregate base</li> <li>Geotextile underlayer</li> </ul>  | <ul style="list-style-type: none"> <li>TurfPaver® units</li> <li>4" (100mm) topsoil/aggregate base</li> </ul>  |

CBR refers to California Bearing Ratio. As the CBR increases, the depth of the engineered base will decrease

