



DIAMONDGRID™

Diamond Grid POROUS PAVERS

SPECIFICATION SUMMARY

Base Recommendations for DIAMOND GRID

| Load Description ¹ | Depth of Engineered Base | |
|---|-------------------------------------|-----------------------------------|
| | CBR ² 2 – 4 ³ | CBR ² > 4 ³ |
| Heavy Fire Truck Access & H/HS-20 loading. Typical 110 psi (758 kPa) maximum tyre pressure. Single axle loadings of 32 kips (145 kN), tandem axle loadings of 48 kip (220 kN). Gross vehicle loads of 80,000 lbs (36.3 MT). Infrequent passes ⁴ . | 6 in (150 mm) | 4 in (100 mm) |
| Light Fire Truck Access & H/HS-15 loading. Typical 85 psi (586 kPa) maximum tyre pressure. Single axle loadings of 24 kips (110 kN). Gross vehicle loads of 60,000 lb (27.2 MT). Infrequent passes ⁴ . | 4 in (100 mm) | 2 in (50 mm) |
| Utility & Delivery Truck Access & H/HS-10 loading. Typical 60 psi (414 kPa) maximum tyre pressure. Single axle loadings of 16 kips (75 kN). Gross vehicle loads of 40,000 lbs (18.1 MT). Infrequent passes ⁴ . | 2 in (50 mm) | 2 in (50 mm) |
| Cars & Pick-up Truck Access. Typical 45 psi (310 kPa) maximum tyre pressure. Single axle loadings of 4 kips (18 kN). Gross vehicle loads of 8,000 lbs (3.6 MT). Infrequent passes ⁴ . | None | None |
| Trail Use. Loading for pedestrian, wheelchair, equestrian, bicycle, motorcycle and ATV traffic. | None | None |

¹ The Diamond Grid system can be applied in areas where loading is greater than those listed above. In these situations, call Diamond Grid or an authorized representative for specific recommendations.

² CBR is the abbreviation for California Bearing Ratio. Methods for determining CBR vary from more sophisticated laboratory methods to simple field identification methods that use hand manipulation of the soil. Diamond Grid does not recommend one method over the other; however, the user must have a high degree of confidence in the results produced by the chosen method.

³ If other-than-CBR soil strength values exist, use available correlation charts to relate the value to CBR.

⁴ Infrequent passes is defined as the number of passes over any period of time that causes no lasting damage to the vegetation. This number will be a function of vegetation type and age, climatic conditions, and maintenance practices. This number is not a function of the Diamond Grid material.