Turfstone™ Grid Pavers

IDEAL CONCRETE BLOCK CO.
Turfstone concrete grid pavers are a “greenspace” pavement with the load capacity and structural performance of high-strength concrete. As a reinforced grass pavement, Turfstone’s apertures are filled with topsoil and seeded; for stormwater control, stone is used in the openings. Uses include residential, commercial, municipal, and institutional applications, as well as sport and recreational venues.

**INTRODUCTION**

Turfstone is machine-manufactured under controlled factory conditions using a cement-rich concrete molded with extreme pressure and vibration. Turfstone units offer exceptional strength and durability to withstand New England’s harsh winter climate. The flat, lattice-style units form a continuous grid pattern, and when properly installed, provide a pavement surface that is “snow-plow safe.”

Turfstone can be used in the following applications:

- Access lanes for emergency and service vehicles
- Overflow parking
- Embankments
- Streambank revetment
- Low-flow channels
- Riparian stabilization for stream banks and lakesides
- Residential driveways
- Vegetated swales
- Stormwater runoff management
- Golf cart paths

Turfstone can add stability and reduce excavation depth when used as a base for segmental and free-standing walls.

Turfstone is capable of supporting H20 loading over a properly designed and compacted base.

**PHYSICAL CHARACTERISTICS**

Turfstone meets or exceeds North American industry standards, including the requirements of ASTM C 1319 for Concrete Grid Paving Units. Our strict quality control ensures consistent strength and size.

| Nominal Size/Coverage | 23 1/2” x 15 3/4” • 2.6 sf/pc |
| Open Area | 40% |
| Thicknesses | 3 1/8” (8cm)
- 4 1/16” (10cm) Special order |
| Compressive Strength | 5000 psi minimum |
| Water Absorption | 10 lb/ft³ maximum |
| Freeze Thaw | No effect as demonstrated through proven field performance |

A white deposit known as efflorescence may appear naturally on any concrete or masonry product. It does not affect the structural integrity and will dissipate over time. Efflorescence is not indicative of a flawed product. For more information, please ask for our Efflorescence Advisory.

Turfstone parking applications can be designed with a dense-graded base, or for infiltration and storage of stormwater, with an open-graded base. Proper design, material selection, and construction of the base are essential to successful performance. For erosion control, Turfstone may be placed directly on graded and compacted soil. The maximum slope for embankment stabilization is 2:1.

Turfstone can be installed in either a stack bond or a running bond with a 3/4 offset. The false joints face up (see picture in upper left margin) and serve as “crack control joints.” Occasional cracks from compaction or flexural loads will not compromise performance. Solid pavers can be placed in pavements where a more comfortable surface is desired for pedestrians and individuals using walkers and wheeled mobility devices.

Please see ICPI’s Tech Spec No. 8 for detailed guidance on design and installation.