

GRASSPAVE2 CUT SHEET

Flexible Plastic Porous Pavement



PRODUCT DESCRIPTION

Grasspave2 protects and enhances the environment in three ways: First, made from 100% recycled plastic, Grasspave2 keeps common consumer and industrial products from going into landfills. Second, grass paving directly improves the environment by recharging water tables on site (reducing flooding hazards downstream), reducing sources of oils and solvents from asphalt, absorbing carbon dioxide, and creating oxygen. Third, it enhances the beauty and quality of the built environment – replacing hot asphalt paved areas with cool, sparking green lawn-like areas.

Grasspave2 has thin-walled independent plastic rings connected by an interlocking geogrid structure, which, because it is installed below the surface, is invisible in the completed project. While the rings are rigid, the grid itself is flexible, which makes it easy to install on uneven grades, and reduces usual cut and fill requirements.

The rings transfer loads from the surface to the grid structure and engineered base course material below, thus preventing compaction of the upper root zone of the grass. A single ring supports small loads, such as shoes; several rings support tires and large loads.

The rings also act to contain the root zone medium (sand) and prevent lateral migration away from tires, feet, or other loads. This protects the grass root system, enabling roots to grow deep into the porous base course. The result is healthy, green turf at the surface.

One person can easily install the Grasspave2 rolls at a rate of 70m² (750 ft²) per hour, plus time for base course preparation and grass installation (seeding, sod or sprigging). Step-by-step instructions are included in our Installation Instructions, which accompany each order.

BENEFITS AND FEATURES

- Allows 100% grass coverage instead of asphalt
- Made from 100% post consumer plastic
- High strength to weight load-bearing capacity
- Supports vehicular and pedestrian traffic
- Lower life cycle costs
- Removes air pollutants
- Maximum porosity
- Low to zero runoff
- Free air/water movement
- Permits more trees
- Cooler site
- Greater oxygen
- Can preserve existing trees
- Helps to meet "Green Coverage Codes"
- Fast, low cost installation
- Competes in cost with asphalt paving
- No gutter and rain system needed
- No added land required for detention facilities

APPLICATIONS

- Church/employee parking
- Overflow and event parking
- Golf cart paths
- Residential driveways
- Firelanes

SPECIFICATIONS

Unit Size – 20"x 20"x 1" (50 x 50 x 2.5cm)
Unit Weight – 18oz (510 grams)
Strength – 15,940 psi (109,906 kPa)
Connector Pull Apart Strength (Tensile) - 458 lbf/in
Color – Black
Resin – 100% recycled HDPE with 3% carbon black
Shipped in Rolls (430 sq. ft. standard, other roll sizes available)
92% Void Space (8% plastic by volume)

