



DIAMONDGRID™



Reduce your  
Carbon  
Footprint



Use up to **91%** less  
concrete\*



Made from  
**100%** Recycled  
Plastic



**TOUGHEN  
YOUR TERRAIN**

DIAMONDGRID™  
National Parks and  
Walking Trails

# Specification Sheet

## DIAMONDGRID™



UV STABILIZED



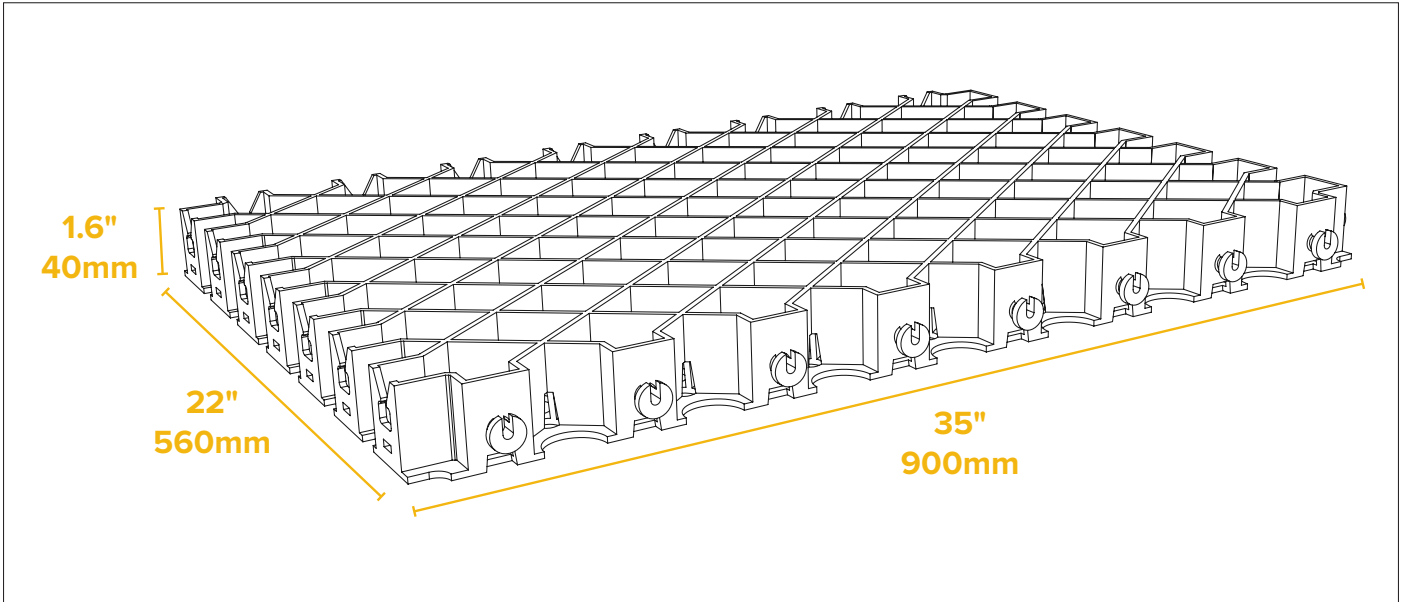
RELOCATABLE



DO-IT YOURSELF



INTERLOCKING SYSTEM



### The DiamondGrid™ interlocking system is robust and easy to install.

Applications suitable for Diamond Grid include:

- ◆ Cart paths
- ◆ Access Roads
- ◆ Machinery/Storage Sheds
- ◆ Workshop floors
- ◆ Car parks
- ◆ Turf stabilization

<b>Measurements</b>	35" W x 22" L x 1.6" H ◆ 900mm W x 560mm L x 40mm H
<b>Crush resistance (filled with gravel/road base)</b>	100+ tons/sqft filled* ◆ 1000+ tonne m <sup>2</sup> *
<b>Crush resistance (empty grid)</b>	30 tons/sqft empty* ◆ 300 tonne m <sup>2</sup> *
<b>Weight per grid</b>	7.05 lbs ◆ 3.2kg
<b>Fill ratio</b>	1 cubic yard of fill per 207.9 square feet ◆ 1 cubic metre of fill per 26m <sup>2</sup>
<b>Permeability</b>	Up to 96%
<b>Fill</b>	Road base, gravel, pebbles, grass, soil, concrete, asphalt



Made from 100% recycled, UV treated polypropylene, Diamond Grid is ecologically friendly and highly durable. The product has been load tested by the **Facility of Engineering and Surveying Centre of Excellence in Engineered Fibre Composites, University of Southern Queensland and Sageos CTT Group** and found to withstand loads in excess of 300 tonnes per square metre when empty or over 1000+ tonnes crush resistance per m<sup>2</sup> when grids are filled.

[diamondgrid.com](http://diamondgrid.com)

# Features and Benefits of

## DIAMONDGRID™



Reduce subgrade thickness



Increase load bearing capacity of the road



Act as a bridging layer / differential settlement



Cut maintenance frequency by 70%



Reduce maintenance costs by more than 70%



Holds the road together for much greater periods, reducing maintenance requirements



Increase traffic load without increasing pavement thickness



Minimizes pavement failure due to semi-rigid load bearing capacity



DiamondGrid™ works as a bridging layer to spread load across the ground, similar to putting a rock ballast down but lasting many more years



Less vehicles and staff will be required as they can travel from point to point in half the time



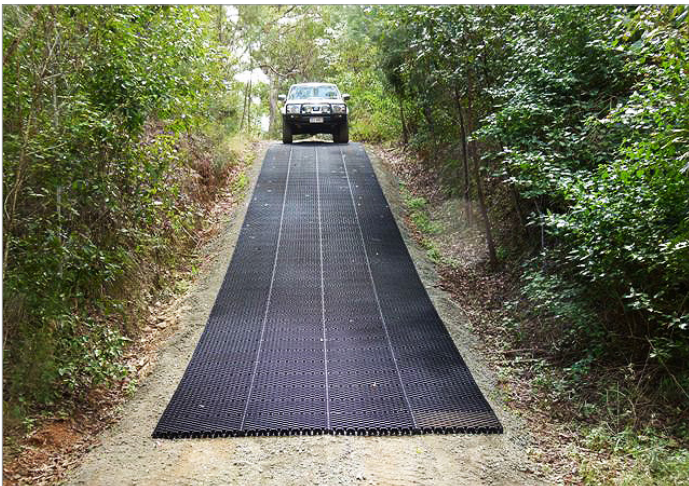
Increase fuel economy of vehicles as they can travel 50-75% faster one safe level and solid roads



Elimination of 90% safety issues and vehicles accidents as with DiamondGrid™ the roads are free of potholes, corrugation and are non-slippery.



## Diamond Grid™ Examples in National Parks and Walking Trails





DIAMONDGRID™

# FOR A SOLID SURFACE ON ANY TRAIL, ANYWHERE.



**Significantly reduce**  
downtime & ongoing maintenance



**Up to 60% Cheaper**  
than using concrete



**100% Recycled**  
polypropylene



DIAMONDGRID™

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YOUR TERRAIN**