

# GRASSCELL

Grasscell is a lightweight plastic grid structure specially designed to stabilise and support turf, grass or decorative gravel.

Grasscell supports US LEED™ Credits: SS6.1, SS6.2, SS7.1, SS5.1 and MR4.1.

Positioned under a grass landscape, Grasscell distributes loads from pedestrian and vehicular traffic to the base course below, minimising grass and root compaction. The interconnected cells allow roots to develop with minimal restriction, resulting in a durable and stable grass surface.

## APPLICATIONS

- Emergency and firelane access
- Vehicle parking lots for commercial developments, homes, sports complexes, festival grounds, churches and more
- Golf cart paths
- Street shoulder parking
- Racetrack infield and pit areas
- Drainage channels
- Slope stabilisation and erosion control

Grasscell is US ADA compliant and 100% permeable.

## SPECIFICATIONS

**Dimensions:** 500x500x40mm

**Material:** 100% recycled polypropylene

**Colour:** Black

**Compressive Strength**

- Unfilled >200t/m<sup>2</sup>

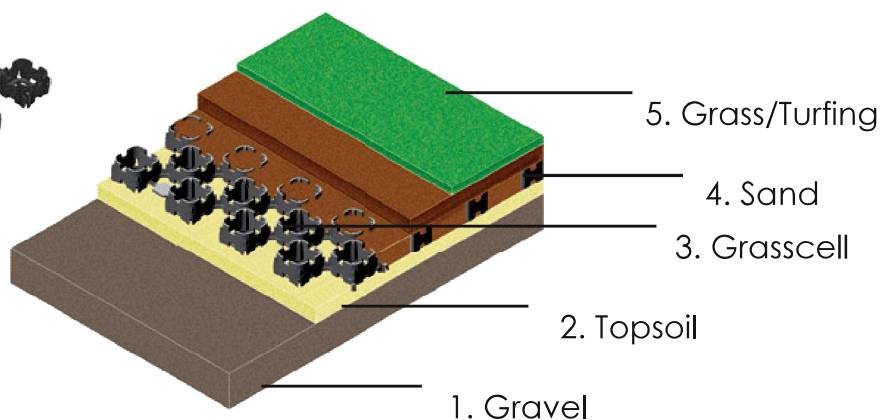
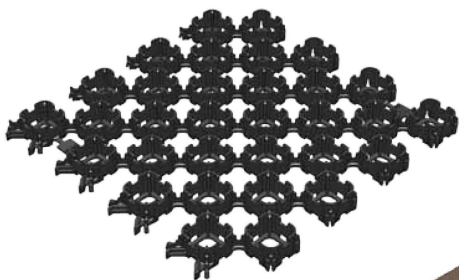
- Sand filled >2000t/m<sup>2</sup>

**Weight:** approx. 4.3kg/m<sup>2</sup>

**Biological/Chemical Resistance:**

Unaffected by mould and algae. Resistant to oils, acids, alkalis and bitumen

**Service Temperature:** -30 to 120 deg Celcius



# TECHNICAL SPECS

## SPECIFICATIONS\*

THICKNESS	STRENGTH	APPLICATION	TOLERANCE
60MM	35MPa	Pedestrian Traffic i.e. Footpath, Bicycle Track, Jogging Track, Park & Garden Landscape, Pool Deck, Patio etc.	Thickness ±3mm  Dimension ±2mm
80MM	45MPa	Vehicular Traffic i.e. Driveway, Drop-off area, Warehouse and Industrial Area, Temporary Access, Backlane, Feeder Road, Internal Road etc.	
100MM	45MPa	Heavy Duty Traffic i.e. Inland and Maritime Ports, Fire Engine Access etc.	

\*MS1380:1995 / BS6717:1993 / BS EN 1338:2003 standards  
(Specification for Precast Concrete Paving Blocks)

## COLOURS

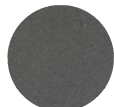
### STANDARD



Red



Grey



Black

### SPECIAL



Peach



Green



Brown



White



Yellow



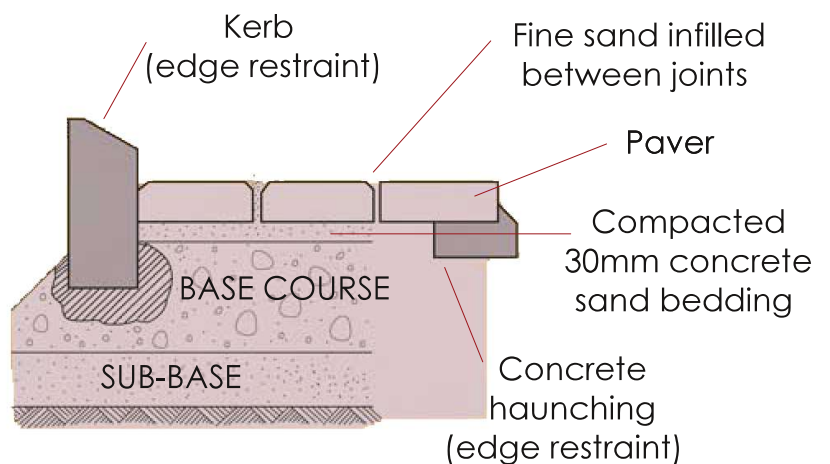
Blue



Antique (mixed shades)



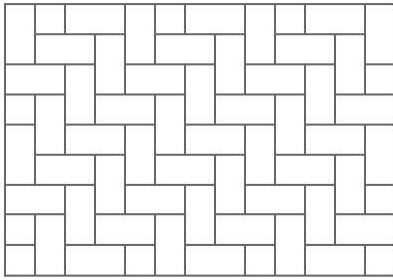
## TYPICAL INSTALLATION CROSS SECTION



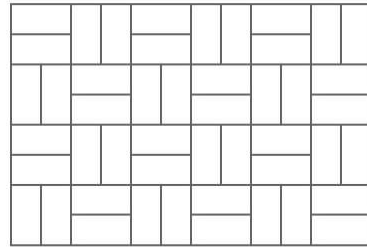
## EFFLORESCENCE

This superficial phenomenon is commonly found in most concrete-based or cementitious products. It typically fades over a few months, up to a maximum of two years.

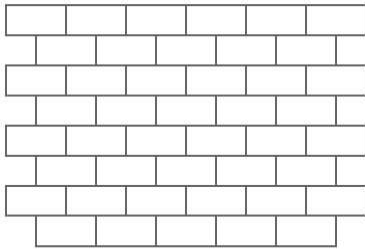
# TYPICAL PAVING PATTERNS



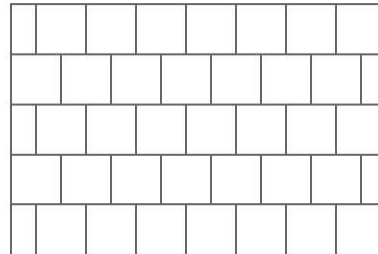
Herringbone



Basketweave



Brick



Block

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