

# Technical data sheet RUNFLOOR S05

## 1. DESCRIPTION

RUNFLOOR S05 is a high density plastic grid for creation of road surfaces with grass or gravel.

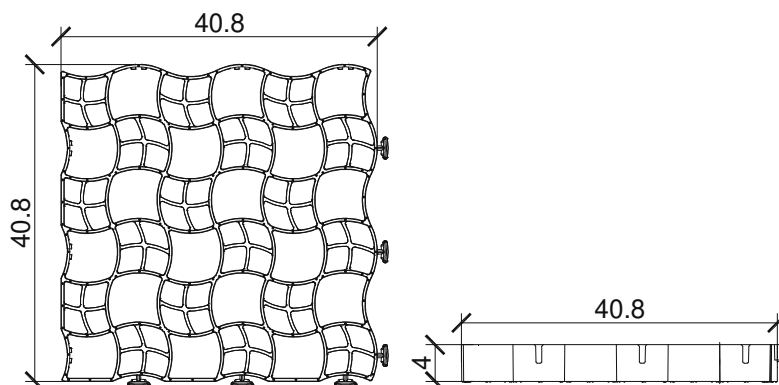


## 2. TECHNICAL SPECIFICATIONS

Material	-	Low density polyethylene (LDPE)
Percentage of recycled material	%	100
Colour	-	Black
Dimensions	cm	40.8 x 40.8 XH5
Cells dimensions (tolerance $\pm 2\%$ )	cm	6.3 x 6.3
Weight	kg	1.19
Wall thickness	mm	5
UV stabilised	-	Yes
Load bearing capacity (filled grid)	t/m <sup>2</sup>	600
Traffic load rating*	t/axle	10
Permeability	%	84
Filling volume	m <sup>3</sup> /m <sup>2</sup>	0.042
Type of connection	-	Interlocking
Place of production	-	Italy

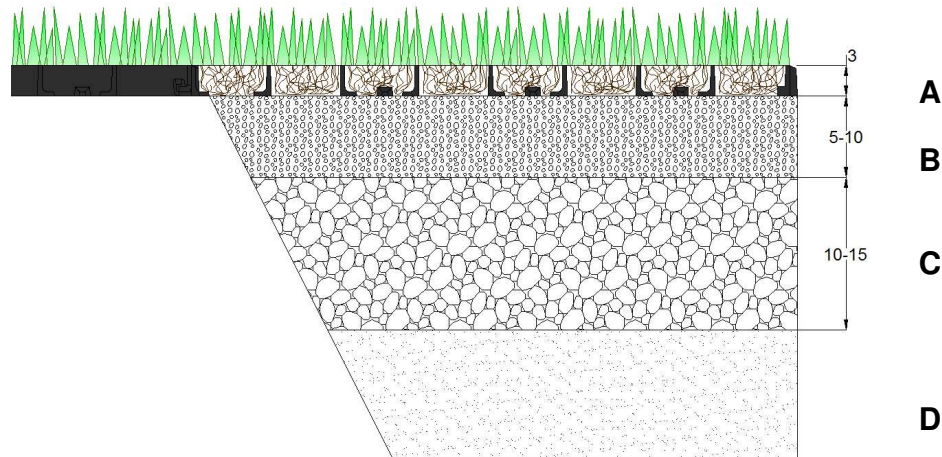
\* according to DIN1072

## 3. TECHNICAL DRAWINGS



## 4. INSTALLATION

### 4.1 Grass surfaces



A- Runfloor S05; B- Bedding layer; C- Foundation; D- Natural soil

#### 1- Ground preparation

Remove topsoil and dig to the depth required by the build-up of foundation and pavers.

#### 2- Foundation

A permeable foundation is to be built, typically at least 150 mm of well compacted crushed stone placed over a geotextile separation membrane. The foundation must in any case be built so that it is capable of carrying the maximum bearing load likely to be applied and in the wettest of conditions; please refer to local norms and regulations as well as best practice for foundation construction. A preliminary geotechnical investigation may be required.

#### 3- Bedding

Lay 50 mm of volcanic sand (grain size 0-5 mm) enriched with vegetation soil and organic fertilizer. Compact and level perfectly.

#### 4- RUNFLOOR S05 paver laying

Install the RUNFLOOR S05 grids, pre-assembled in mats of 6 pieces each (1 m<sup>2</sup> per mat). Take care of leaving a gap of at least 30 mm between the grids and any fixed object (curbs, manholes, walls...) to allow for thermal expansion. The pavers can be easily cut to shape to fit around obstructions. The walls of RUNFLOOR S05 are curved and designed to absorb thermal expansion. Expansion joints are not necessary even for large paved surfaces. Installation time around 50 m<sup>2</sup> per hour per man. The maximum recommended installation slope is 8%.

#### 5- RUNFLOOR S05 paver filling

Fill the cells with a mixture of volcanic sand (grain size 0-5 mm) and vegetation soil and organic fertilizer OR a blend of siliceous sand and vegetation soil enriched with peat and humus. Alternative filling material is also possible as long as permeability and fertility are ensured. When cells are full spray water to make the soil settle, then top up the cells. Install car park markers before filling.

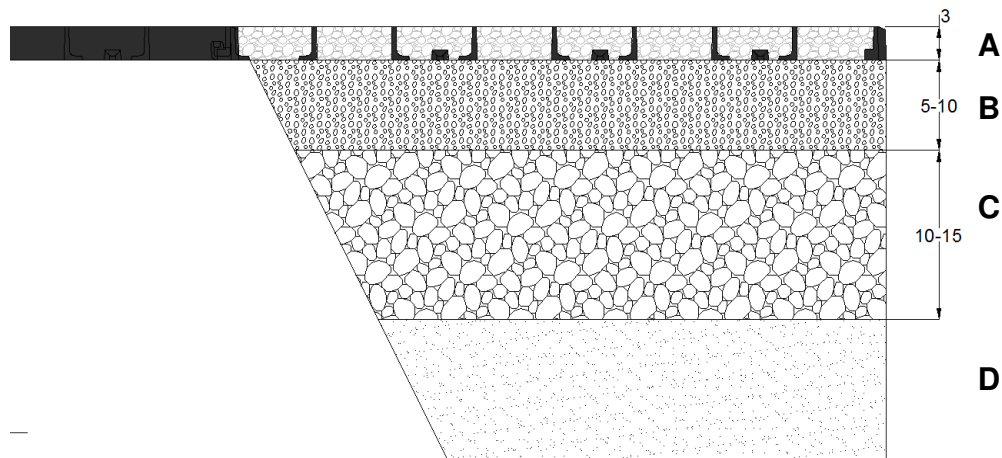
#### 6- Seeding

Seed grass in the finished surface or for best results mix the seeds in with the cell fill soil. Choose grass types well suited to the climate and location. Water regularly until grass has grown. Do not drive over the surface until the grass has rooted developed sufficiently, typically not until it has been cut twice.

#### 7- Maintenance and usage recommendations

Regularly fertilize the grass and, if in place, check that the irrigation system is working properly. Periodically check if cells need topping up, fill whenever necessary with vegetation soil. Avoid using the area paved with RUNFLOOR S05 for turning areas of heavy vehicles (HGVs and others).

## 4.2 Gravel surfaces



A- Runfloor S05; B- Bedding layer; C- Foundation; D- Natural soil

### 1- Ground preparation

Remove topsoil and dig to the depth required by the build-up of foundation and pavers.

### 2- Foundation

A permeable foundation is to be built, typically at least 150 mm of well compacted crushed stone placed over a geotextile separation membrane. The foundation must in any case be built so that it is capable of carrying the maximum bearing load likely to be applied and in the wettest of conditions; please refer to local norms and regulations as well as best practice for foundation construction. A preliminary geotechnical investigation may be required.

### 3- Bedding

Lay 30-40 mm of fine gravel, well compacted and leveled.

### 4- RUNFLOOR S05 paver laying

Install the RUNFLOOR S05 grids, pre-assembled in mats of 4 pieces each (1.35 m<sup>2</sup> per mat). Take care of leaving a gap of at least 30 mm between the grids and any fixed object (curbs, manholes, walls...) to allow for thermal expansion. The pavers can be easily cut to shape to fit around obstructions. The walls of RUNFLOOR S05 are curved and designed to absorb thermal expansion. Expansion joints are not necessary even for large paved surfaces. Installation time around 100 m<sup>2</sup> per hour per man. The maximum recommended installation slope is 8%.

### 5- RUNFLOOR S05 paver filling

Fill the cells with the chosen material, use preferably rough-edged stone for best stability. Compact the filling material and top up if necessary. Install car park markers before filling.

### 6- Maintenance and usage recommendations

Periodically check if cells need topping up. Avoid using the area paved with RUNFLOOR S05 for turning areas of heavy vehicles (HGVs and others).

## 5. PACKAGING AND TRANSPORT

Product code	-	FRUNFS54040 (black)
Pcs per sqm	Pz	3
Packaging	-	Pre-assembled sheets on pallet
Pcs per pallet	pz	270
Surface per pallet	m <sup>2</sup>	45
Packaging dimensions	cm	85x125xH235

## 6. ACCESSORIES

### Car park marker for RUNFLOOR S05

The car park marker for RUNFLOOR S05 incorporates 4 hooks and solid anchors in the cells. It can only be removed after lifting the paver. The top face of the marker incorporates anti-skid grooves and dimples.

Product code	-	FRUNTAB0005 (white) FRUNTAG0005 (yellow)
Shape	-	Octagonal
Dimensions	cm	7,8x7,8
Total elevation (above the paver)	cm	1,1
Pcs for line making	pz/ml	4
Material	-	HD PE

